Note
Before using this information and the product it supports, read the information in Product Legal Notices.
Chapter 1. AXM server environment messages

Chapter 2. CICS messages

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<tr>
<td>DFHRRnnnn messages</td>
<td>1808</td>
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<td>DFHRSnnnn messages</td>
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<td>1823</td>
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About this PDF

This PDF explains the format of CICS messages and contains CICS DFH messages. It also contains AMX server environment messages. Before CICS TS V5.4, these messages were split across two PDFs: *CICS Messages and Codes, Volume 1* and *CICS Messages and Codes, Volume 2*.

For details of the terms and notation used in this book, see [Conventions and terminology used in CICS documentation](https://www.ibm.com/support/pages/conventions-and-terminology-used-cics-documentation) in IBM Documentation.

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Chapter 1. AXM server environment messages

The following messages are issued by the authorized cross-memory (AXM) server environment, which is a package of run-time services used by the Named counter sequence number server, CICS coupling facility (CF) data tables and the CICS shared temporary storage (TS) queue pool server. For more information about AXM and the CICS TS queue pool server, see Initializing CICS data sharing servers.

**Note:**
1. AXM messages are not issued by a CICS region and hence do not use the CICS message domain. They cannot be viewed with the CMAC transaction or suppressed with the XMEOUT user exit.
2. These messages are normally displayed in mixed case English. If your terminals cannot display lowercase English characters, see Uppercase translation for guidance on converting the messages to uppercase.

### AXM error recovery messages

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Destination</th>
</tr>
</thead>
<tbody>
<tr>
<td>AXMER0001</td>
<td><strong>ABEND</strong> xxx-rr occurred at address, data word1 word2 word3.</td>
<td>Console and print file</td>
</tr>
</tbody>
</table>

#### Explanation

The AXM error recovery routine has intercepted an abend in a task running under an AXM server region TCB. The abend code is shown as three hexadecimal digits for a system completion code or four decimal digits for a user completion code. The data consists of the twelve bytes around the PSW address as provided by MVS™ in the SDWA.

#### System action

The error recovery routine will first call AXMWH which attempts to identify the module and procedure in which the abend occurred and writes out a further message if successful. After this, if recovery is allowed, the error recovery routine terminates the affected AXM internal task and resumes normal processing, otherwise it percolates the error, causing the server region to be abnormally terminated.

The system will normally produce a symptom dump message on the job log, and a full dump may be produced if an appropriate DD statement (SYSUDUMP, SYSMDUMP or SYSABEND) is present in the server region JCL.

#### User response

Look up the completion code to identify the cause of the abend.

**Module:**
AXMER

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Destination</th>
</tr>
</thead>
<tbody>
<tr>
<td>AXMER0002</td>
<td><strong>TRAP</strong> occurred at offset offset in procname.</td>
<td>Console and print file</td>
</tr>
</tbody>
</table>

#### Explanation

An internal logic error in a server resulted in a TRAP macro being executed at the specified location.

The system will normally produce a symptom dump message on the job log, and a full dump may be produced if an appropriate DD statement (SYSUDUMP, SYSMDUMP or SYSABEND) is present in the server region JCL.

#### System action

The AXM task is abnormally terminated.

#### User response

This probably indicates a logic error in server code, or an attempt to use some internal component of the server outside its correct context.

If the procedure name in the message begins with AXM, this probably indicates that the server code which called it has passed inconsistent parameters, such as an invalid address when releasing main storage.

**Module:**
AXMER

**Destination**
Console and print file
AXM event management messages

**AXMEV0001**  AXM only supports operating system WAIT on MVS.

**Explanation**
An attempt has been made to issue an operating system WAIT within an AXM server, but the server is not running on MVS. In this case, the MVS POST exit mechanism used by AXM is unavailable and operating system waits cannot be supported.

**System action**
The program is abnormally terminated.

**User response**
None.

**Module:** AXMEV

**Destination**
Console

**AXMEV0003**  The AXM POST exit could not be created because AXM system services are not available.

**Explanation**
AXM server region initialization needed to define the MVS POST exit used by AXM for operating system waits, but AXM system services were not available within the current MVS image.

**System action**
The server region is terminated with return code 8.

**User response**
None.

**Module:** AXMEV

**Destination**
Console and print file

**AXMEV0004**  The AXM POST exit could not be created, return code was rc.

**Explanation**
The MVS POST exit used by AXM for operating system waits could not be created because the AXM system services routine gave a non-zero return code. The only known reason for this is that AXM system services have been withdrawn, which should not be possible in a production environment.

**System action**
The server region is terminated with return code 8.

**User response**
None.

**Module:** AXMEV

**Destination**
Console and print file

**AXMEV0005I**  The AXM POST exit had already been created for this address space.

**Explanation**
During server initialization, AXM system services found that the MVS POST exit used by AXM for operating system waits had already been created for this address space. AXM therefore bypassed trying to create the same POST exit again as this would have resulted in an abend 702-04. This can occur when a previous server execution in the same address space was terminated abnormally.

**System action**
Processing continues

**User response**
None.

**Module:** AXMEV

**Destination**
Console and print file

2  CICS TS for z/OS: CICS Messages
The AXM POST exit could not be deleted, return code was rc.

**Explanation**
The MVS POST exit used by AXM for operating system waits could not be deleted because the AXM system services routine gave a non-zero return code. The only known reason for this is that AXM system services have been withdrawn, which should not be possible in a production environment.

**System action**
Processing continues.

**AXM stack (LIFO) storage messages**

**AXMLF0001S** LIFO storage cannot be set up because the PRV size exceeds 4K.

**Explanation**
AXM initialization has detected that the total link-edited size of the pseudo-register vector (PRV) for the server application load module exceeds the maximum size of 4096 supported by AXM. The PRV contains task-related variables used by AXM resource management plus any task-related data areas defined by server code using the Assembler DXD operation code or Q-type address constants.

**System action**
The server is abnormally terminated.

**User response**
The server programmer needs to decrease the size of task-related variables defined in the PRV. When a large amount of task-related information needs to be stored, it is better to store the information in some separately acquired storage area (such as AXM heap storage) and put only a pointer to it in the PRV.

**Module:** AXMLF

**Destination**
Console

**AXM lock management messages**

**AXMLK0001** Lock at address is already owned for shared use by this task.

**Explanation**
An AXM server program attempted to acquire exclusive ownership of an AXM lock which was already in shared ownership for the current task. This is not allowed, as the task cannot wait for itself.

**System action**
The AXM lock request is rejected.

**User response**
The server programmer needs to modify the program logic. It could for example use an AXM lock PROMOTE to convert the shared lock to an exclusive lock.

**Module:** AXMLK

**Destination**
Console
AXM K0002  *function failed because lock at address is not owned by this task.*

**Explanation**

An AXM server program tried to release, demote or promote an AXM lock but the lock was not owned by the current AXM task.

**System action**

The AXM lock request is rejected.

---

**AXM operating system interface messages**

**AXMOS0001I**  The main procedure entry point is name at address address.

**Explanation**

This message is written to the print file during AXM initialization to indicate the name and entry point address of the server main procedure. This is primarily for debugging purposes.

**System action**

Processing continues.

**User response**

None.

**Module:** AXMOS

---

**AXMOS0002**  The main procedure is missing, or the END statement does not name the entry point.

**Explanation**

The AXM server load module which is being executed does not contain a procedure which has been identified as the AXM main procedure.

**System action**

The server region is terminated with return code 16.

**User response**

Check that the main procedure was correctly included in the link edit. If it was, make sure that its entry point name was correctly specified on the END statement and that it was assembled using AXM macros with the macro AXMSET appearing before the MODULE statement and the option ENVIRON=AXM specified on the MODULE statement.

**Module:** AXMOS

---

**AXMPG0001I**  The main free area above 16M was at address xxxxxx, size nnnK.

**Explanation**

This message is written to the print file during AXM initialization to indicate the size of the largest area of 31-bit addressable private region storage available at that time.

**System action**

Processing continues.

**User response**

None.

**Module:** AXMPG
The main free area below 16M was at address xxxxxxx1, size nnnnK.

Explanation
This message is written to the print file during AXM initialization to indicate the size of the largest area of 24-bit addressable private region storage available at that time.

System action
Processing continues.

User response
None.

Module:
AXMPG

Storage page pool areaname created, address xxxxxxx, size nnnnK.

Explanation
This message is written to the print file during AXM initialization to show the size and address of each storage page pool as it is created. Once this has been done, most AXM storage requests are allocated from this page pool rather than with MVS GETMAIN.

System action
Processing continues.

User response
None.

Module:
AXMPG

Usage statistics for storage page pool areaname:

<table>
<thead>
<tr>
<th></th>
<th>Size</th>
<th>In Use</th>
<th>Max Used</th>
<th>Free</th>
<th>Min</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>nK</td>
<td>nK</td>
<td>nK</td>
<td>nK</td>
<td>nK</td>
</tr>
<tr>
<td>Free</td>
<td>n%</td>
<td>n%</td>
<td>n%</td>
<td>n%</td>
<td>n%</td>
</tr>
<tr>
<td>Gets</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td>Frees</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td>Retries</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td>Fails</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
</tbody>
</table>

Each of the storage statistics is shown in two forms, as a number of kilobytes and as a percentage of the total size.

The individual fields have the following meanings:

Size
Total size of the storage pool.

In Use
The amount of storage which is currently in use.

Max Used
The highest amount of storage which has been in use.

Free
The amount of storage within the pool which is current free.

Min Free
The lowest amount of storage which has been free.

Gets
The number of requests to obtain storage within the pool.

Frees
The number of requests to release storage within the pool.

Retries
The number of times that a storage request initially failed and was retried after merging any adjacent small free areas to form larger areas.

Fails
The number of times that a storage request was unable to obtain the requested amount of storage even after a retry.

System action
Processing continues.
**AXM resource tracking messages**

**AXMRS0001** Tidy-up routine at address failed to free resource tracking cell.

**Explanation**
A server routine established an AXM resource tracking element specifying that a procedure was to be called to release the resource if the task was terminated without releasing the resource. The AXM task is now terminating, and the procedure identified in the tracking element was called, but the resource tracking element was still in existence when it returned. The entry point address of the relevant procedure is indicated in the message.

**System action**
The tracking element is released on the assumption that the resource has now been deleted, and AXM task termination continues.

**User response**
The server programmer needs to ensure that the procedure to release the resource also frees the resource tracking element.

**Module:** AXMRS

**Destination**
Console and print file

**AXM server connection and system services messages**

**AXMSC0011I** AXM system services initialization is in progress.

**Explanation**
AXM system services are being started up, normally as a result of being called by the AXM subsystem initialization routine.

**System action**
Processing continues.

**User response**
None.

**Module:** AXMSC

**Destination**
Console

**AXMSC0012I** AXM system services initialization has completed.

**Explanation**
AXM system services are now fully available in the current MVS image.

**System action**
AXM cross-memory server connection requests and requests for the POST exit system services will now be accepted.

**User response**
None.
**AXMSC0013**  AXM system services have already been initialized.

**Explanation**
An attempt was made to set up AXM system services again when they are already active in the current MVS image.

**System action**
The attempt is ignored.

**User response**
None.

**Module:** AXMSC

**AXMSC0021I**  AXM system services termination is in progress.

**Explanation**
AXM system services are being withdrawn. This is only possible if they were initialized using the AXM system region program AXMSR instead of being set up via subsystem initialization.

**System action**
The AXM system services program call table is deleted and all entry points in the AXM system services anchor are replaced with dummy routines which return an indication that the service are not available.

**User response**
Note that the results of attempting to call any AXM system service around this time are unpredictable. AXM system services should never be withdrawn in a production environment at any time when it is possible that they could be in use.

**Module:** AXMSC

**AXMSC0031I**  Connection to server prefix.name has been opened.

**Explanation**
The current region has established an AXM connection to the AXM server prefix.name.

**System action**
Processing continues.

**User response**
None.

**Module:** AXMSC

**AXMSC0032I**  Connection to server prefix.name failed because the server was not found.

**Explanation**
The current region tried to establish an AXM connection to the AXM server prefix.name but could not do so because there is no active server of that name enabled for AXM connections.
**System action**
The connection attempt is rejected with return code 8, reason code 32.

**User response**
Ensure that the server is started and that its name was specified correctly.

**Module:** AXMSC

**Destination**
Console

**Explanation**
The current region tried to establish an AXM connection to the AXM server `prefix.name` but the request was rejected by the security system.

**System action**
The connection attempt is rejected with return code 8, reason code 33.

**User response**
See the previous AXM message giving details of the results of the security check.

**Module:** AXMSC

**Destination**
Console

**Explanation**
The current region tried to establish an AXM connection to the AXM server `prefix.name` but the maximum number of concurrent requests to be supported exceeds 9999.

**System action**
The connection is rejected with return code 8, reason code 35.

**User response**
Check whether the server interface program is specifying the correct value for the maximum number of concurrent requests.

**Module:** AXMSC

**Destination**
Console

**Explanation**
The current region tried to establish an AXM connection to the AXM server `prefix.name` but the server-defined connection exit rejected the request.

**System action**
The connection is rejected with return code 8, reason code 36.
User response
The reason for the rejection depends on the server code, but this typically occurs if the server is preparing to close down or has insufficient resources to accept another connection.

Module:
AXMSC

Destination
Console

AXMSC0037 Connection to server prefix.name failed because the server is terminating.

Explanation
The current region tried to establish an AXM connection to the AXM server prefix.name but the server entered termination processing while the connection request was in progress.

System action
The connection is rejected with return code 8, reason code 37. The instance of the server that was being terminated will no longer be visible to any new connection attempts.

User response
Retry the connection when the server has been restarted.

Module:
AXMSC

Destination
Console

AXMSC0038 Connection to server prefix.name failed because this address space is already connected to it.

Explanation
The current region tried to establish an AXM connection to the AXM server prefix.name but it already has a connection to the same server region. AXM does not support multiple connections from the same region to the same server region.

System action
The connection is rejected with return code 8, reason code 38.

User response
None.

Module:
AXMSC

Destination
Console

AXMSC0041I Connection to server prefix.name has been closed.

Explanation
An AXM connection from the current region to the named server has been terminated, either as a result of being explicitly closed by this region or as a result of the termination of the MVS TCB which originally established the connection.

System action
Processing continues.

User response
None.

Module:
AXMSC

Destination
Console

AXMSC0042 Connection close failed for token xxxxxxxxx, reason is n.

Explanation
An attempt was made to close an AXM connection explicitly but the specified connection token did not refer to an active connection owned by the current region, or the connection could not be closed for some other reason.

The reason code indicates which validity check failed within procedure AXMSCCLS. Reason code 9 indicates that a request issued via the connection has not yet completed. Any other reason code probably indicates an incorrect token.

System action
The attempt is rejected with return code 8, reason code 42.
User response
Check that the connection close request is specifying the correct connection token and that there are no incomplete requests for the connection.

Module:
AXMSC

Destination
Console

AXMSC0043I Server disconnect SRB was scheduled, IEAMSCHD RC=xx COMP=xx CODE=xx RSN=xx

Explanation
A client region connected to a CICS cross-memory server region was terminated at end of memory, so the AXM interface in the client region was unable to complete normal server disconnect processing. The AXM end of memory resource manager has therefore scheduled a synchronous SRB to the server region to notify it that the client region has now disconnected, using the IEAMSCHD macro. This message indicates the resulting values returned by that macro, in hexadecimal, consisting of the return code, completion type, completion code and reason code as documented for the IEAMSCHD macro. If the server region is still running and the disconnection process was successful, the return code is zero. In this case, the completion type and completion code are also zero, and any non-zero reason code maybe ignored. If the return code is non-zero, server disconnect processing could not be completed, in which case it is possible that some server resources being used by the disconnected client region may not have been released.

System action
Processing continues.

User response
If the return code is zero, no action is required. If the return code is non-zero, it is possible that subsequent requests to the same server region may fail or hang. If this occurs, the only solution is to cancel and restart the server region.

Module:
AXMSC

Destination
Console

AXMSC0051I Server prefix.name is now enabled for connections.

Explanation
This AXM server has completed initialization and is now available for connections from other address spaces.

System action
Processing continues.

User response
None.

Module:
AXMSC

Destination
Console

AXMSC0052 Server prefix.name cannot be enabled because it is already active in another address space.

Explanation
Only one instance of a given AXM server name can be active in an MVS image at a time.

System action
The attempt to enable the server interface is rejected with return code 8, reason code 52.

User response
None.

Module:
AXMSC

Destination
Console

AXMSC0053 Server prefix.name cannot be enabled because caller is not APF authorized.

Explanation
AXM requires that an AXM server region must be running APF authorized in order to be allowed to enable its server interface.
The attempt to enable the server interface is rejected with return code 8, reason code 53.

Ensure that the server program is executed from an APF authorized library and is link-edited with AC(1).

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The attempt to enable the server interface is rejected with return code 8, reason code 53.

Ensure that the server program is executed from an APF authorized library and is link-edited with AC(1).

The attempt to enable the server interface is rejected with return code 8, reason code 53.

Ensure that the server program is executed from an APF authorized library and is link-edited with AC(1).

See the previous AXM message giving details of the results of the security check.

An attempt to disable the server interface failed because the specified server interface token did not correctly identify an active server interface established by the current address space.

The reason code provides an internal indication of which validity check failed within procedure AXMSCDIS. All reason codes probably indicate an incorrect token.

The attempt to disable the server interface is rejected with return code 8, reason code 62. If the server interface is still enabled, it will be disabled automatically when the job step task terminates.

As the server interface token is stored internally by AXM, the only known possible reason for this message is storage overwriting within the server region.

An attempt to disable the server interface failed because the specified server interface token did not correctly identify an active server interface established by the current address space.

The reason code provides an internal indication of which validity check failed within procedure AXMSCDIS. All reason codes probably indicate an incorrect token.

The attempt to disable the server interface is rejected with return code 8, reason code 62. If the server interface is still enabled, it will be disabled automatically when the job step task terminates.

As the server interface token is stored internally by AXM, the only known possible reason for this message is storage overwriting within the server region.

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The reason code provides an internal indication of which validity check failed within procedure AXMSCDIS. All reason codes probably indicate an incorrect token.
User response
Ensure that the server program is executed from an APF authorized library and is link-edited with AC(1).
Module:
AXMSC

Destination
Console
AXMSC0071 Server name prefix.name has incorrect syntax for access checks.

Explanation
The security checking routine has detected that the AXM server name specified on a connection request or on a server enable request is not in the correct form, for example because either the prefix or name is blank. This means that the security check cannot be performed.

System action
A return code is set to indicate that the security check failed.

User response
Check that the server prefix and name are specified correctly. The prefix is normally defined by the server, but the name may be set from a user-specified server parameter.
Module:
AXMSC

Destination
Console
AXMSC0072 level access authorization was denied for FACILITY facility.

Explanation
The external security manager has indicated that the current region is not authorized for the required level of access to the specified facility.

System action
A return code is set to indicate that the security check failed.

User response
Check whether the external security manager is available and whether the security definitions for the specified facility have been provided.
Module:
AXMSC

Destination
Console
AXMSC0073 level access authorization is unavailable for FACILITY facility.

Explanation
The external security manager has indicated that it is unable to determine whether the current region is authorized for the required level of access to the specified facility. This message is only issued if it is not possible for the security routine to determine whether security checking is actually required. In cases where it is obvious that no security check is required (for example because no external security manager is installed), access is granted anyway.

System action
A return code is set to indicate that the security check failed.

User response
Check whether the userid for the region has been authorized to access the specified facility resource name.
Module:
AXMSC

Destination
Console
AXMSC0074 RACROUTE REQUEST=AUTH gave R15=xxxxxxxx,
SAFPRRET=xxxxxxxx,
SAFPRREA=xxxxxxxx.

Explanation
This message provides additional details about the results of a security check in any case where access is not granted. See the documentation of the RACROUTE macro for further information.
**AXM subsystem initialization messages**

<table>
<thead>
<tr>
<th>Message ID</th>
<th>Message Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>AXMSI0001I</td>
<td>AXM subsystem initialization is in progress.</td>
</tr>
</tbody>
</table>

**Explanation**

The AXM subsystem initialization program has been started in order to initialize AXM system services.

**System action**

AXM system services will be loaded and initialized.

**User response**

None.
Module: AXMSI

Destination
Console

AXMSI0002I  AXM subsystem initialization has completed.

Explanation
The AXM subsystem initialization program has completed execution.

System action
The program returns control to MVS.

User response
None.

Module: AXMSI

Destination
Console

AXMSI0003  AXM subsystem initialization return code retcode, reason code rsncode.

Explanation
The AXM subsystem initialization routine has not completed normally. This message indicates the final return code and reason code. This is normally the return code from AXM system services initialization.

System action
The subsystem initialization routine returns control to MVS.

User response
None.

Module: AXMSI

Destination
Console

AXMSR0001I  AXM system region initialization is in progress.

Explanation
An AXM system region is being started. This is used to initialize AXM system services in a testing environment for development purposes, and allows AXM system services to be closed down and restarted without an IPL.

System action
Processing continues.

User response
None.

Module: AXMSR
Destination
Console

AXMSR0002I AXM system region initialization has completed.

Explanation
AXM system services have been successfully initialized from the AXM system region.

System action
Processing continues.

User response
The system region may be closed down again using the MVS STOP command but this should only be done when it is certain that no AXM services are being used within the MVS image.

Module:
AXMSR

Destination
Console

AXMSR0003I AXM system region termination is in progress.

Explanation
The operator has requested termination of the AXM system region using the MVS STOP command.

System action
AXM system services are terminated.

User response
None.

Module:
AXMSR

Destination
Console

AXMSR0011 AXM system region can only run under MVS/ESA.

Explanation
An attempt was made to execute the AXM system region program AXMSR in a non-MVS environment.

System action
The system region program terminates.

User response
None.

Module:
AXMSR

Destination
Console

AXMSR0012 AXM system region program AXMSR needs to be APF authorized.

Explanation
An attempt was made to execute the AXM system region program AXMSR without APF authorization.

System action
The system region program terminates.

User response
Ensure that the module AXMSR is stored in an APF-authorized library and is link-edited with AC(1).

Module:
AXMSR
**Destination**

Console

**AXMSR0013**  
AXM system region LOAD for name failed with completion code xxx-nn.

**Explanation**

The attempt to LOAD the system services module (AXMSC) failed.

**System action**

The system region program terminates.

**User response**

See the description of the system completion code xxx in MVS/ESA System Codes for the reason that the LOAD failed.

**Module:**

AXMSR

**Destination**

Console

**AXMSR0021**  
AXM system region does not support this command: text

**Explanation**

An attempt was made to issue a command to the AXM system region using the MVS MODIFY command. The AXM system region only supports the MVS STOP command, and does not support commands entered via MODIFY.

**AXM trace and print file management messages**

**AXMTR0001**  
The ddname print file could not be opened.

**Explanation**

The AXM trace and print file with the specified ddname (usually AXMPRINT or SYSPRINT) could not be opened during AXM initialization.

**System action**

Print file output requests will be ignored.

**User response**

Ensure that the appropriate DD statement is present. The default ddname is AXMPRINT, but this may be overridden to SYSPRINT by an AXMTRDEF definition within the server code if the server does not need to reserve the name SYSPRINT for any other purpose.
AXM address lookup (WHERE) messages

**AXMWH0001I** Address address is at +offset in modtype module modname.

**Explanation**
This message may be produced after an abend or TRAP message to identify the module containing the error address, if the module is known to MVS. The information about the module and type is obtained using the MVS macros CSVQUERY or NUCLKUP.

**System action**
Processing continues.

**User response**
None.

**Module:**
AXMWH

**Destination**
Console

**AXMWH0002I** Address address is at +offset in procedure procname.

**Explanation**
This message may be produced after an abend or TRAP message to identify the procedure containing the error address, if the storage is within a known module and a standard SAVE sequence including a procedure identifier appears at some point before the error address.

**System action**
Processing continues.

**User response**
None.

**Module:**
AXMWH

**Destination**
Console and print file

AXM cross-memory interface messages

**AXMXM0011** Server prefix.name cannot be enabled because AXM system services are not available.

**Explanation**
An attempt has been made to enable a server interface but AXM system services have not been initialized within this MVS image.

**System action**
The server enable request is rejected.

**User response**
Ensure that AXM system services are started then start the server again.

**Module:**
AXMXM

**Destination**
Console and SYSPRINT

**AXMXM0012** Enable failed for server prefix.name, return code retcode, reason rsncode.

**Explanation**
The server interface could not be enabled. The specific reason will have been indicated by an earlier AXMSC message.
System action
The server enable request is rejected.

User response
None.

Module:
AXMXM

Destination
Console and SYSPRINT

Explanation
The ARR routine for an AXM cross-memory program call routine has intercepted an abend in a cross-memory mode AXM task and has passed the associated SDWA to a task in the server address space to issue the appropriate diagnostic messages. The abend code is shown as three hexadecimal digits for a system completion code or four decimal digits for a user completion code. The data consists of the twelve bytes around the PSW address as provided by MVS in the SDWA.

System action
The ARR will already have completed processing when this message is issued, as the message is written out by the server region. If recovery is allowed, the ARR terminates the affected AXM internal task, in which case the return code from the cross-memory request will consist of the completion code in the usual MVS format but with the high-order bit set to indicate an abend. If recovery is not allowed, the ARR percolates the error, passing the abend to the requesting region.

The diagnostic routine which writes this message will call AXMWH which attempts to identify the module and procedure in which the abend occurred and writes out a further message if successful. It then releases the MVS SDWA. Server execution is not directly affected by an abend in cross-memory mode.

User response
Look up the completion code to identify the cause of the abend.

Module:
AXMXM

Destination
Console and SYSPRINT

Explanation
An internal logic error in a server module or invalid parameters on a server request resulted in a TRAP macro being executed at the specified location in cross-memory mode.

The system will normally produce a symptom dump message on the job log, and a full dump of the connected region may be produced if an appropriate DD statement (SYSUDUMP, SYSMDUMP or SYSABEND) is present in the JCL for the connected region.

System action
The AXM task is abnormally terminated.

User response
This probably indicates a logic error in server code, or an attempt to use some internal component of the server outside its correct context.

If the procedure name in the message begins with AXM, this probably indicates that the server code which called it has passed inconsistent parameters, such as an invalid address when releasing main storage.

Module:
AXMXM

Destination
Console
Chapter 2. CICS messages

CICS produces different types of messages for different users of the product. The messages are intended as a quick reference to get started with problem determination. CICS messages begin with the characters DFH.

Format of CICS messages

CICS provides messages that describe what is happening in the system. These messages have a standard format, including a message identifier and a standard layout. Messages can appear on the system console, at a terminal, in a log, or can be routed to a transient data queue.

DFHnnnn identifiers

DFHnnnn messages have a prefix of DFH followed by a four-digit message number. DFH is the identifier that is assigned by IBM for CICS modules. The first two digits are the CICS module reference code. The final two digits are assigned by CICS to identify the message or group of messages in an assembled program.

The first two digits reference the following CICS modules:

- **01** DFHSSIN
- **42** DFHZCNR
- **51** DFHCSDUP
- **52** DFHCSDUP
- **55** DFHCSDUP
- **56** DFHCSDUP
- **7x** Command-level translators

DFHccnnnn identifiers

DFHccnnnn messages have a prefix of DFH followed by a two-letter component identifier (cc), and a four-digit message number (nnnn). The component identifier shows the domain or the component which issues the message.

For example, the CICS message DFHAP0002 is issued from the application domain, identified by the two-character identifier AP. The following list associates the component identifiers with the associated CICS domains and components:

- **AC** Abnormal condition program component
- **AD** CICS Development Deployment Tool messages
- **AI** Autoinstall terminal model manager (AITM)
- **AM** RDO allocation manager
AP
Application domain

BA
CICS Business Transaction Services domain

BR
Bridging to 3270 transactions

CA
RDO command utility routine

CC
CICS catalog domain (local and global)

CE
Sign on program component

CF
CICS coupling facility data tables server

CP
CPI Communications component

CQ
CQ console messages

CR
ISC remote scheduler component

CZ
CICS class libraries domain

DB
CICS database control component

DD
Directory manager

DH
Document handler component

DM
Domain manager domain

DP
Debugging profile domain

DS
Dispatcher domain

DU
Dump domain

DX
CICS database control component

EJ
Enterprise Java domain

EM
Event Manager domain

ER
User backout program

EX
External CICS interface

FC
File control component

FE
FE terminal test program component
IC
  Interval control program
IE
  IP ECI domain
IN
  Indoubt testing tool
IR
  Interregion component
IS
  Intersystem component
JC
  Online journal control component
KC
  Transaction/profile manager
KE
  Kernel domain
LD
  Loader domain
LG
  Logger domain
LM
  Lock manager domain
MC
  BMS message control program component
ME
  Message domain
MN
  Monitor domain
MQ
  WebSphere MQ domain
MV
  MVS RESMGR exit stub
NC
  Named counter sequence number server
NQ
  Enqueue manager domain
OT
  Object Transaction Services domain
PA
  Parameter manager domain
PC
  Program control program component
PD
  Print dump exit routine DFHPDX
PG
  Program manager domain
PI
  Pipeline manager domain
PR
  Partner resource manager
PS
System spooler interface control module component

RD
RDO allocation manager

RL
Resource lifecycle manager domain

RM
Recovery manager

RP
CICS ONC RPC

RS
Communications resynchronization program

RT
ISC transaction routing component

RU
Recovery utility program

RX
RRS-coordinated EXCI domain

RZ
Request Streams domain

SH
Scheduler domain

SI
System initialization component

SJ
Scaleable Java domain

SK
Sub task control program component

SM
Storage manager domain

SN
Signon component

SO
CICS Sockets domain

SR
System recovery component

ST
Statistics domain

SZ
Front end programming interface (FEPI)

TC
Terminal control program component

TD
Transient data component

TF
Terminal facility manager

TI
Timer domain

TM
System termination program component
TO  Terminal object resolution program component
TP  BMS terminal page retrieval program component
TR  Trace domain
TS  Temporary storage domain
UP  Measured usage license charging support macro
US  User domain
WB  CICS Web support domain
W2  Web 2.0 domain
XA  XRF alternate component
XC  XRF CICS availability manager
XG  XRF general component
XM  Transaction manager
XO  XRF CICS availability manager
XQ  Shared temporary storage queue pool server
XS  CICS security component
ZC  Terminal control working set component
ZE  TCP error message writer component
ZN  Syncpoint component

Action codes

Certain messages (for example, DFHDB8208D) include an action code after the message identifier. Action codes give guidance to the operator of the type of action needed when the message appears on the system console.

The following action codes are used:

A  Immediate action; for example, mount a tape.
D  Immediate decision; reply to a request, for example, enter GO or CANCEL.
E  Eventual; action is required, but does not have to be taken immediately.
No action required. If issued by the message domain, these messages can be suppressed by specifying MSGLEVEL=0 as a system initialization override.

**Severity codes**

Certain messages, especially messages to terminal operators and messages that come from CICS utilities, have a severity code. DFHST0210 I is an example. A severity code indicates to the operator whether a message is associated with an error, and if so, how serious it is.

The following severity codes are used:

- **E**
  - Error. Something is wrong and action is required of the user before CICS processing can continue.

- **I**
  - Information only. No action is required.

- **W**
  - Warning. Something might be wrong, a program loop, for example, but CICS processing continues.

- **S**
  - Severe error. Something serious is wrong and immediate action is required. CICS processing is suspended until action is taken.

**Format of message information**

Information about each message is presented in a standard format.

The following format is used for CICS messages:

- **Message identifier** – in the form DFHnunn or DFHccnnn
- **Message text** – the words and inserts that make up the message as displayed in CICS
- **Explanation** – the events that lead to or following the production of the message
- **System action** – the action that is to be taken by CICS
- **User response** – the action recommended for the user (the console or terminal operator or system programmer)
- **Destination** – the device or log to which the message is sent. The destination is one of the following:
  - Console – refers to a terminal type attached to CICS. (Route codes are 2 and 11 unless otherwise stated.)
  - Terminal end user
  - TERMCDBC – terminals running the CDBC transaction.
  - SYSPRINT (System printer)
  - One of the following transient data queues:
    - CADL
      - z/OS Communications Server resource definition log
    - CADO
      - CICS Development Deployment Tool messages
    - CAIL
      - Autoinstall terminal model manager (AITM) log
    - CCPI
      - Common programming interface for communications (CPI Communications) messages
    - CCZM
      - CICS classes
    - CDDBC
      - CICS-DBCTL interface log
CDB2
  CICS DB2® messages

CDUL
  Transaction dump messages

CECO
  Event capture and emission messages

CEJL
  Java™

CEPO
  Event processing messages

CIEO
  IP ECI messages

CISL
  IPCONN resource definition log

CISO
  IPIC messages

CJRM
  JRas logging and tracing facility messages (Java)

CKQQ
  CICS-MQ connection messages

CMIG
  Migration log for messages reporting the use of functions that are no longer supported

CMLO
  Markup language messages

CMPO
  Managed platform messages

CMQM
  CICS-MQ messages

CPIO
  CICS SOAP messages

CRDI
  Log for installed resource definitions

CRLO
  Resource lifecycle messages

CRPO
  ONC RPC messages

CSBA
  BA domain message queue

CSBR
  Bridge facility messages

CSCC
  CICS client error log

CSCS
  Sign on/off security log

CSDH
  Document handler

CSDL
  CEDA command log

CSFL
  File allocation and related messages
CSJE
Redirected error output from CICS JVM

CSJO
Redirected output from CICS JVM

CSKL
Log for transaction and profile resource definitions

CSLB
LIBRARY resource definition log

CSML
Sign on or sign off messages

CSMT
Write term errors and abends from DFHTACP and DFHACP

CSNE
Terminal error messages issued from DFHZNAC.

CSOO
Sockets domain message queue

CSPL
Log for program resource definitions

CSQL
TDQUEUE messages

CSRL
Log for partner resource definitions

CSSH
Scheduler services

CSSL
Statistics log

CSTL
Term I/O error messages from DFHTACP

CSZL
FEPI message queue

CSZX
FEPI event queue

CWBO
CICS Web support messages

CWBW
HTTP warning headers on messages received by CICS Web support

**Note:** Destination CXRF is used by the alternative CICS system in an XRF environment until the other destinations are made available during the takeover.

- **Module(s)** – the name of the module or modules that determined that the message is sent. (This name is not necessarily the module that issued the macro to write the message.)

**XMEOUT parameters**

Messages that can drive the XMEOUT global user exit include a list of XMEOUT parameters. You can use the XMEOUT exit to suppress or reroute messages that use the message domain.

A number of console messages must not be rerouted to a transient data queue. These messages include all DFHTDnnnn messages and certain DFHMEXMnnnn and DFHUSSnnnn messages. A note to this effect is included in the descriptions of these messages.

For more information about the XMEOUT user exit, see the **Message domain exit XMEOUT**.
Route codes

Console messages can be sent to a number of console types. The type of console to which a particular message is sent is determined by the MVS route code. Each route code maps onto one console type. The meanings of the route codes that are normally used by CICS are as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Main console action – indicates a change in system status that requires operator action</td>
</tr>
<tr>
<td>2</td>
<td>Main console information – indicates a change in system status (system default)</td>
</tr>
<tr>
<td>3</td>
<td>Tape pool status or other tape-related information</td>
</tr>
<tr>
<td>4</td>
<td>Direct-access pool status or other related information</td>
</tr>
<tr>
<td>5</td>
<td>Tape library information</td>
</tr>
<tr>
<td>6</td>
<td>Disk library information</td>
</tr>
<tr>
<td>7</td>
<td>Unit record pool information</td>
</tr>
<tr>
<td>8</td>
<td>Teleprocessing control status</td>
</tr>
<tr>
<td>9</td>
<td>System security checking</td>
</tr>
</tbody>
</table>

   **Note:** This route code suppresses the operator’s reply on the screen and on SYSLOG

| 10   | System error or maintenance information                      |
| 11   | Programmer information for the MVS log                      |

Unless otherwise stated, console messages have the route codes ‘2’ and ‘11’.

Console message reformatting

The "console message handling facility" is an optional feature of the CICS subsystem that can affect the appearance of CICS messages that are displayed on an MVS console. It is effective when you specify FORMATMSG=YES as an initialization parameter for the CICS subsystem. For more information, see The console message-handling facility.

Terminal identifiers

Some messages include a terminal identifier (termid) in the message text. This terminal identifier is normally shown as a 4-character identifier. However, when CICS cannot completely identify a terminal – for example, when intersystem communication is taking place, the terminal identifier is prefixed by the application identification (applid) of the system that owns the terminal.

Abend code inserts

The transaction abend code insert (abcode) in some CICS messages is displayed as ‘????’ when neither the EXEC CICS ABEND request nor the DFHPC TYPE=ABEND macro request specifies an abend code.
Dumps

A dump is generally available for printing when a CICS system abend or abnormal termination occurs, provided the relevant data set is specified. The dump can be used for problem determination.

Terminology

The terms "abnormally terminates" and "abnormal termination" are frequently used in a general sense to relate, as applicable, to one of the following:

- The termination of CICS as a result of an MVS ABEND macro. (The term "abend" can also be used.)
- The termination of a transaction (task) as a result of a CICS transaction ABEND macro.

Katakana terminal devices

Old-style Katakana terminals that support only single-byte character sets (SBCS) cannot display lowercase Western characters. Therefore, because of the requirement on CICS to issue certain messages in mixed-case, CICS cannot support display or terminal devices that are restricted to the SBCS Katakana part only of code page 930.

MVS user abend codes

DFH messages that accompany a CICS system, utility, or subtask abend have an associated MVS user abend code. Where possible, the value of this code is the numeric part of the corresponding DFH message.

For example, DFH0305 has an 0305 user abend code. If an MVS abend code is issued but not the associated CICS message, the problem probably does not originate with CICS. For more information, see the description of the MVS abend code in z/OS MVS System Codes.

The highest possible value of an MVS user abend code is 4095. Therefore, any DFH message with a number higher than 4095 has an MVS user abend code that does not follow the above convention. The following are lists of the abend codes for messages with numbers above 4095, in order of abend code, and in order of message number.

Ordered by abend code

- 0108 DFHS263
- 0121 DFHS100
- 0123 DFHS175
- 0125 DFHS180
- 0126 DFHS184
- 0127 DFHS148
- 0147 DFHS721
- 0148 DFHS722
- 0149 DFHS723
- 0150 DFHHER724
- 0151 DFHHER725
- 0152 DFHS754
- 0161 DFHAKS802
- 0162 DFHAKS803
- 0170 DFHPSS394
- 0184 DFHJC4534
- 0185 DFHJC4530
• 0190 DFHXG6450
• 0191 DFHXG6451
• 0192 DFHXG6452
• 0193 DFHXG6453
• 0194 DFHXG6454
• 0195 DFHXG6440
• 0196 DFHXG6441
• 0197 DFHXG6442
• 0198 DFHXG6443
• 0200 DFHXA6540
• 0201 DFHXA6541
• 0202 DFHXG6444
• 0203 DFHXG6430
• 0204 DFHXA6530
• 0205 DFHXG6439
• 0206 DFHXG6415
• 0207 DFHXA6523
• 0209 DFHXG6427
• 0210 DFHXA6528
• 0211 DFH6529
• 0213 DFHXG6524
• 0214 DFHXA6580
• 0220 DFH XO6700
• 0221 DFH XO6704
• 0222 DFH XO6702
• 0223 DFH XO6703
• 0224 DFH XO6720

Ordered by message identifier

• DFHAK5802 0161
• DFHAK5803 0162
• DFHER5724 0150
• DFHER5725 0151
• DFHJC4530 0185
• DFHJC4534 0184
• DFHPS5394 0170
• DFHXA6523 0207
• DFHXA6528 0210
• DFHXA6530 0204
• DFHXA6540 0200
• DFHXA6541 0201
• DFHXA6580 0214
• DFHXG6415 0206
Note:
1. All messages that appear in the JES job log are prefixed by a timestamp and job number. Because of this condition, some messages have their message text truncated. If the full message text is required, consult the MVS log as all messages in the JES log are duplicated in the MVS system log.
2. User abend 0225 is internal to CICS. It is issued by DFHDTES when, during backout, an entry in a hash table is marked empty when it is not expected. This causes the CICS region to be abnormally terminated. If this abend occurs, you need help with resolving the problem.

**DFH01nnnn messages**

<table>
<thead>
<tr>
<th>DFH0100</th>
<th>CICS SUBSYSTEM IS NOW INITIALIZED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Explanation</strong></td>
</tr>
<tr>
<td></td>
<td>The CICS subsystem identified in an entry in an IEFSSNxx member of SYS1.PARMLIB has been successfully initialized.</td>
</tr>
</tbody>
</table>
System action
None.

User response
None.

Module:
DFHSSIN

Destination
Console

DFH0101 CICS SUBSYSTEM WAS NOT INITIALIZED

Explanation
The CICS subsystem identified in an entry in an IEFSSNxx member of SYS1.PARMLIB could not be successfully initialized.

System action
The system continues without the services of the subsystem.

User response
Use the preceding DFH01xx message to investigate the reason why the subsystem could not be initialized. After correction, re-IPL MVS to initialize the subsystem.

Module:
DFHSSIN

Destination
Console

DFH0102 CICS SUBSYSTEM COULD NOT LOAD MODULE module

Explanation
When trying to initialize the CICS subsystem, module module could not be loaded into common storage. The module must either be in the MVS link pack or be capable of being loaded from a library in the MVS linklist concatenation by means of a LOAD GLOBAL=(YES,P) macro.

System action
The system issues message DFH0101 and does not initialize the subsystem.

User response
Investigate the reason why the module could not be loaded. After correction, re-IPL MVS to initialize the subsystem.

Module:
DFHSSIN

Destination
Console

DFH0103 CICS PARAMETER MEMBER NAME member IS INVALID

Explanation
The third positional parameter in the subsystem definition for the CICS subsystem is not a valid member name because it contains more than eight characters. In the entry in an IEFSSNxx member of SYS1.PARMLIB that defines the CICS subsystem, a parameter is coded that is not a valid name for a member containing CICS initialization parameters.

System action
The parameter coded is truncated to eight characters and the result is used as the member name for reading CICS parameters from SYS1.PARMLIB. Whether or not the resultant parameters are valid, the system later issues message DFH0101 and does not initialize the subsystem.

User response
Correct the definition of the CICS subsystem in the IEFSSNxx member of SYS1.PARMLIB. After correction, re-IPL MVS to initialize the subsystem.

Module:
DFHSSIN

Destination
Console

DFH0104 CICS PARAMETER ERROR IN member - parameter

Explanation
When examining CICS subsystem initialization parameters from the named member of SYS1.PARMLIB, a syntax error was detected. The record containing the error is shown in the message.
System action
The system issues message DFH0101 and does not initialize the subsystem.

User response
Correct the syntax error in the subsystem parameter. See the CICS intercommunication for details of the syntax of subsystem initialization parameters. After correction, re-IPL MVS to reinitialize the subsystem.

Module: DFHSSIN

Destination
Console

DFH0105 CICS SUBSYSTEM INITIALIZATION IS NOT SUPPORTED FOR THIS MVS RELEASE

Explanation
Initialization of the CICS subsystem is not supported on MVS releases earlier than MVS SP 2.2.0.

System action
The system issues message DFH0101 and does not initialize the subsystem.

User response
Defer implementation of the CICS subsystem services until after the prerequisite release of MVS is installed.

Module: DFHSSIN

Destination
Console

DFH42nn message

DFH4200 jobname tranid

Explanation
jobname is the jobname of CICS in the MVS system. CICS transaction tranid has issued a TC READ request to the operator console.

System action
The transaction is suspended pending a reply.

User response
Enter a reply at the console.

Module: DFHZCNR

Destination
Console

DFH51nn messages

DFH5100S SEVERE ERROR IN MODULE modname. ABEND CODE: abcode

Explanation
An internal error has occurred in module modname, when invoked by a CSD utility command.

System action
Processing terminates abnormally with an operating system dump and abend code abcode. The CSD utility attempts to:
1. Close any files previously opened internally.
2. Unload any extract exit routines that were
dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

**User response**
See the description of abend code *abcode* for guidance.

**Module:**
DFHCSDUP

**Destination**
SYSPRINT

**DFH5101 I**

*command* COMMAND EXECUTED SUCCESSFULLY.

**Explanation**
The execution of a CSD utility command *command* completed successfully.

**System action**
Normal processing continues.

**User response**
None.

**Module:**
DFHCSDUP

**Destination**
SYSPRINT

**DFH5102 I**

WARNING MESSAGES ISSUED WHILE PROCESSING *command* COMMAND.

**Explanation**
The CSD utility issued messages during syntax-checking and execution of the *command* command.

**System action**
Normal utility processing continues to the end of the job.

**User response**
Review the warning messages to see how they have affected utility processing. Then decide whether you need to submit a further CSD utility job.
exit routine). However, it continues to check the syntax of subsequent commands. The exception is the LIST command, which will still be executed if the primary CSD file can be opened.

**System action**

Subsequent CSD utility commands (except LIST) are ignored.

**User response**

Check for a syntax error in the commands used and correct it.

There should be associated error messages which identify the problem that caused DFHCSDUP to halt active processing. These messages should appear in DFHCSDUP output before message DFH5104 is issued.

**Module:** DFHCSDUP

**Destination**

SYSPRINT

DFH5105 W command COMMAND NOT EXECUTED BECAUSE OF PREVIOUS ERROR(S).

**Explanation**

If a syntax error (or an execution error) occurred in a command read from a data stream and processed earlier, no further commands (except for LIST commands) are executed. If the primary CSD file could not be opened, the LIST command is not executed either.

**System action**

The CSD utility command is not executed.

**User response**

Check for syntax errors or execution errors in commands processed earlier.

Correct the invalid commands.

**Module:** DFHCSDUP

**Destination**

SYSPRINT

DFH5107 I COMMANDS EXECUTED SUCCESSFULLY: nn COMMANDS

**Explanation**

The CSD utility has completed input command processing.

Commands giving warnings may or may not have been executed successfully.

**System action**

Normal processing continues to the end of the job.

**User response**

If any CSD utility commands in error were executed, decide if the results are what you want.

If they are NOT what you want, correct them and resubmit them in another job.

If any commands were not executed, you must resubmit them. (See message DFH5108.)

**Module:** DFHCSDUP

**Destination**

SYSPRINT

DFH5108 I COMMANDS NOT EXECUTED AFTER ERROR(S): nn

**Explanation**

The CSD utility has completed input command processing. The number of commands not executed because of errors is indicated by nn.

**System action**

Normal processing continues to the end of the job.

**User response**

Correct the commands in error and resubmit them in another job.

**Module:** DFHCSDUP

**Destination**

SYSPRINT

DFH5109 I END OF DFHCSDUP UTILITY JOB.

HIGHEST RETURN CODE WAS: retcode
Explanation
The CSD utility job is complete.

System action
Control returns to the invoker, that is, either the operating system or to an invoking program.

User response
None.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5110 W  ERROR FOUND IN 'PARM=' PARAMETER DATA ON EXEC JOB STEP. THIS DATA IS IGNORED.

Explanation
The value of the PARM parameter on the EXEC job in the JCL to run the DFHCSDUP utility is incorrect.

System action
The PARM parameter is ignored. The CSD is opened for read and write operations.

User response
Correct the erroneous PARM value. The incorrect value can be found in the job step.

The CICS documentation describes how to code the PARM parameter.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5115 S  THE PRIMARY CSD HAS NOT BEEN INITIALIZED. COMMAND NOT EXECUTED.

Explanation
The primary CSD file must be initialized before any CSD utility command (other than the INITIALIZE or SERVICE commands) can be processed. If a secondary CSD file is used, it must always be initialized before this command can be processed. CICS issues this message if you try to break either of these rules, or if an attempt to initialize a CSD file fails to complete successfully

System action
The CSD utility ignores the command.

User response
Initialize the CSD file. You may first have to determine why a previous initialization attempt failed.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5116 S  THE PRIMARY CSD HAS BEEN DEFINED WITH AN INVALID KEY LENGTH. PROCESSING IS TERMINATED.

Explanation
The primary CSD file cannot initialize the CSD file because it has been defined to VSAM with an invalid key length.

System action
The CSD file remains uninitialized, and no utility commands are processed.
Delete the CSD file, using VSAM Access Method Services (AMS). In the JCL defining the CSD cluster, change the AMS control statements to specify KEYS(22 0). Use this JCL to redefine the CSD file, and use the CSD utility to reinitialize it.

Module: DFHCSDUP

Destination
SYSPRINT
DFH5117 S THE PRIMARY CSD HAS BEENDEFINED WITH AN INVALID RECORD SIZE. PROCESSING IS TERMINATED.

Explanation
The CSD utility cannot initialize the CSD file, because it has been defined to VSAM with an invalid record length.

System action
The CSD file remains uninitialized, and no utility commands are processed.

User response
Delete the CSD file, using VSAM Access Method Services (AMS). In the JCL defining the CSD cluster, change the AMS control statements to specify RECORDSIZE(200 2000). Use this JCL to redefine the CSD file, and use the CSD utility to reinitialize it.

Module: DFHCSDUP

Destination
SYSPRINT
DFH5122 I (PRIMARY | SECONDARY) CSD OPENED; DDNAME: ddname - DSNAME: dsname

Explanation
The VSAM data set specified in the JCL has been successfully opened, and is identified as the primary or secondary CSD file. (All utility commands processed will use the same primary CSD file. Different secondary CSD files may be accessed by different utility commands.)

System action
Normal processing continues.

User response
None.

Module: DFHCSDUP

Destination
SYSPRINT
DFH5121 S I/O ERROR WHILE OPENING (PRIMARY | SECONDARY) CSD; DDNAME: ddname

Explanation
An I/O error occurred when reading or writing control records of the VSAM data set identified in the JCL as the primary or secondary CSD file.

System action
The utility command is not executed.

User response
Retry the utility command that failed. If the problem persists, restore the CSD file from your own backup procedures.

Module: DFHCSDUP

Destination
SYSPRINT
DFH5120 I (PRIMARY | SECONDARY) CSD OPENED; DDNAME: ddname - DSNAME: dsname

Explanation
A VSAM error occurred when opening the data set identified in the JCL as a primary or secondary CSD file.

System action
The utility command is not executed.

User response
Refer to the VSAM diagnostics output in message DFH5179 for further information and guidance.
Module: DFHCSDUP

Destination SYSPRINT

DFH5123 I {PRIMARY | SECONDARY} CSD CLOSED; DDNAME: ddname - DSNAME: dsname

Explanation
The VSAM data set used as the primary or secondary CSD file has been successfully closed, with control records updated if necessary. (The primary CSD file is closed after all the utility commands have been processed; the secondary CSD file is closed after the command for which it was opened.)

System action
Normal processing continues.

User response
None.

Module: DFHCSDUP

Destination SYSPRINT

DFH5124 S PROCESSING TERMINATED. CORRUPTED CSD CONTROL RECORD DETECTED WHILE CLOSING {PRIMARY | SECONDARY} CSD; DDNAME: ddname

Explanation
A storage corruption is preventing the CSD control records from being updated when the CSD file is being closed.

System action
No further CSD utility commands are processed.

User response
Obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where the errors have occurred because they do not print and are therefore easily identifiable.

Using the information available, determine the cause of the errors and correct them.

Resubmit the CSD utility commands that failed.

If you cannot resolve the problem, or if the problem persists, you will need further help from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHCSDUP

Destination SYSPRINT

DFH5125 S ERROR OCCURRED WHILE CLOSING THE {PRIMARY | SECONDARY} CSD. FILE IS FULL; DDNAME: ddname

Explanation
After processing the CSD utility commands, the CSD control records are updated before closing the data set. Updating failed because data set ddname was full.

System action
Utility command processing is terminated.

User response
Initialize a new primary CSD file with a larger data set size. Then use the IDCAMS IMPORT and EXPORT commands to restore the CSD file onto a larger data set.

Module: DFHCSDUP

Destination SYSPRINT

DFH5126 S I/O ERROR WHILE CLOSING THE {PRIMARY | SECONDARY} CSD; DDNAME: ddname

Explanation
An I/O error occurred when reading or writing the control records of the CSD file, before closing VSAM data set ddname.

System action
No further utility commands are executed.
User response
Resubmit the utility commands that failed. If the problem persists, restore the CSD file from your own backup procedures.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5127 S  VSAM ERROR WHILE CLOSING {PRIMARY | SECONDARY} CSD;
            DDNAME: ddname

Explanation
A VSAM error occurred when closing the data set ddname in the JCL as the primary or secondary CSD file.

System action
No further CSD utility commands are executed.

User response
Refer to the VSAM diagnostics output in message DFH5179 for further information and guidance.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5128 S  PROCESSING TERMINATED. {PRIMARY | SECONDARY} CSD
            ACCESSED BY ANOTHER USER AND COULD NOT BE SHARED.
            DDNAME: ddname

Explanation
An attempt to open the CSD has returned an error from VSAM because the data set is not available for the type of processing requested.

This usually means that:
• An attempt has been made to open the CSD in non-RLS access mode, but the CSD is already being accessed from elsewhere in RLS access mode.
• An attempt has been made to open the CSD in RLS access mode, but the CSD is already being accessed from elsewhere in non-RLS access mode.

Note:
You must specify PARM=CSD(READONLY) if you wish to open a recoverable CSD in RLS access mode from the DFHCSDUP utility program.
Alternatively, wait until the CSD file is no longer being accessed in the conflicting access mode, or until it becomes available again in accordance with the SHAREOPTIONS rules defined for the cluster.
If the conflict is due to SHAREOPTIONS and LIST is the only command you want to execute, you can specify PARM=CSD(READONLY).

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5130 E  UNABLE TO LOCATE MODULE DFHCICS. PRIMARY CSD NOT
            INITIALIZED.

Explanation
The DFHCICS module is missing from the library.

System action
Processing of the INITIALIZE command is terminated.

User response
Ensure that the DFHCICS module is present in the library.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5131 I  LIST listid CREATED.
**Explanation**
The INITIALIZE command has created the header for an IBM-protected list.

**System action**
Normal processing continues.

**User response**
None.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

**DFH5132 S** UNABLE TO CREATE LIST listid

**Explanation**
The INITIALIZE command has failed when calling the CSD manager routing program, DFHDMP, to create a new list listid on the CSD file for the IBM-protected groups. The CSD file may be full or corrupt.

**System action**
Processing of the INITIALIZE command is terminated.

**User response**
Check that the data set size for the CSD file is large enough. If it is not, allocate more space.

If there is ample space and you suspect that the CSD file is corrupt, you need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

**DFH5134 S** ERROR OCCURRED WHILE ADDING GROUP grpname TO LIST listid

**Explanation**
A call to the CSD manager routing program, DFHDMP, to write the definition of group grpname to the CSD file as a member of an IBM-protected list listid created an error. The CSD file may be full or corrupt.

**System action**
Processing of the INITIALIZE command is terminated.

**User response**
Increase the data set size for the CSD file and repeat the INITIALIZE request. If this fails, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

**DFH5135 I** GROUP grpname ADDED TO LIST listid

**Explanation**
The CEDA transaction was used to create a list while the INITIALIZE command was executing.

**System action**
Processing continues.
User response
None.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5136 W GROUP grpname IS ALREADY A MEMBER OF LIST listid

Explanation
Group grpname already exists in list listid. CICS does not create a duplicate entry.

System action
Normal utility processing continues.

User response
None.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5137 E GROUP grpname NOT FOUND IN LIST listid

Explanation
The group grpname entered in the ADD command as the AFTER or BEFORE name could not be found in the list listid. The definition could have been deleted while the user was viewing the outcome of an EXPAND command.

System action
Normal utility processing continues.

User response
Reenter the command with a group name that exists in this list.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5139 W CONSIDER IMPLICATIONS OF MIGRATING TYPE=SHARED ENTRIES.

Explanation
The CSD utility detected a migrate of a TST TYPE=SHARE entry. A DFHTST TYPE=SHARED entry is not directly migrated. Only when a TYPE=REMOTE macro that specifies a SYSIDNT that matches a SYSID in the corresponding TYPE=SHARED macro is a TSMODEL created.

System action
The CSD utility continues processing of the MIGRATE command.

User response
If SYSID is explicitly specified on the EXEC CICS request, or added by a global user exit program, and the intent of the SYSID is to direct the request to a SHARED TS pool, you must use the migrated TST in order to satisfy the request to use the pool. See the Defining resources for more information.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5140 I TOTAL xxxxxxxx DEFINITIONS CREATED: nn

Explanation
CICS issued this message after migrating a CICS table. nn definitions of type xxxxxxxx have been created on the CSD file.

System action
Normal utility processing continues.

User response
None.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5141 S UNABLE TO CREATE NEW GROUP grpname

Explanation

Explanation
The MIGRATE command failed when calling the CSD manager routing program, DFHDMP, to create a new group `grpname` on the CSD file for the data in the table being migrated. The CSD file may be full, corrupt, or not initialized. The group name may be invalid.

System action
Processing of the MIGRATE command is terminated.

User response
Check the group name in the TOGROUP parameter. Reinitialize the CSD file with the INITIALIZE command, providing a larger data set size if necessary.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5142 E  COMMAND NOT EXECUTED.  
```
lgname WAS NOT UPDATED 
BECAUSE OF A PREVIOUS UPDATE 
FAILURE.
```

Explanation
The list or group `lgname` cannot be used because an operation to update it, using the DFHCSDUP offline utility, failed to execute to completion.

This has probably happened in a previous execution of DFHCSDUP.

System action
The command is not executed, and the execution of subsequent DFHCSDUP commands in the job stream is suppressed.

User response
Use the DFHCSDUP VERIFY command to remove the in-flight flag detected when this message is produced.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5143 I  GROUP `grpname` CREATED.

Explanation
A new CSD group, `grpname`, has been created for the data in the table being migrated.

System action
Migration continues.

User response
None.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5145 E  COMMAND NOT EXECUTED.  
```
lgname HAS BEEN LOCKED BY 
APPLID:applid, OPID:opid TO 
PREVENT UPDATING.
```

Explanation
The list or group `lgname` cannot be used because a user of the CEDA or CEDB transaction has enforced a LOCK command to prevent updating by other users.

System action
The command is not executed.

If commands are being read from a SYSIN data stream, then subsequent commands (except the LIST command) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then the DFHCSDUP utility attempts to process subsequent commands.

User response
Negotiate with the user with the specified OPID and APPLID, or create a new group or list by taking a copy of the definitions in the locked one.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5146 E  COMMAND NOT EXECUTED.  
```
lgname IS CURRENTLY BEING
```

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**Explanation**
The list or group `lgname` cannot be used because:

- A user of the CEDA or CEDB transaction is currently running a command to update it
- A previous operation to update it using CEDA or CEDB failed to execute to completion.

**System action**
The command is not executed.

If commands are being read from a SYSIN data stream, then subsequent commands (except the LIST command) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then the DFHCSDUP utility attempts to process subsequent commands.

**User response**
Resubmit the utility job to retry the command that failed. Perform the subsequent commands that were suppressed.

If this fails to resolve the problem, run the DFHCSDUP VERIFY command to remove the in-flight flag detected when this message is produced.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

**Explanation**
The name chosen for the target group (or list) duplicates that of an existing group or list on the CSD file.

**System action**
Processing of the utility command is terminated.

**User response**
Choose a different name for the target group.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

**Explanation**
There is insufficient storage to satisfy a GETMAIN request for table `table`.

**System action**
The system action depends on the table specified as follows:

**LD (language definition table)**
The CSD utility cannot process any commands, and terminates with a dump. The MVS user abend code is 0327.

**FCT and RDT**
The CSD utility cannot migrate the table, and terminates processing of the utility command.

**User response**
Allocate additional storage. If your TCT assembly and link-editing is successful, the RDT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

**Explanation**
A user attempted to add a definition to an IBM-supplied group or list (groups or lists beginning with DFH). This is not allowed.

**System action**
The CSD utility does not create a definition.
User response

Change the input command to name a target group or list whose name does not begin with DFH.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5150 W  xxxxxxx OPTION CONFLICTS WITH yyyyyyy OPTION AND IS IGNORED FOR restype resname

Explanation
The options, xxxxxxx and yyyyyyy, specified for the resource type restype with name resname are mutually exclusive.

System action
The utility ignores option xxxxxxx.

User response
None.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5151 I  RESOURCE NOT ALTERED. xxxxxxx IS IBM-PROTECTED.

Explanation
During the execution of an ALTER command containing a generic group name, a matching group was found which is an IBM-supplied group and is protected.

System action
The CSD utility does not alter the definition in the specified group.

User response
None.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5159 I  resource object DEFINED IN GROUP grpname

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Explanation
The CSD utility has successfully added a resource definition to a group, where:

- **resource** is the type of resource (CONNECTION, FILE, JOURNALMODEL, LSRPOOL, MAPSET, PARTITIONSET, PARTNER, PROFILE, PROGRAM, SESSION, TDQUEUE, TERMINAL, TRANCLASS, TRANSACTION, or TYPETERM).
- **object** is the name of the object.
- **grpname** is the name of the group.

System action
Normal utility processing continues.

User response
None.

Module:
DFHCSDUP

Destination
SYSPRINT

| DFH5161 S | TABLE table MUST BE LINK-EDITED WITH AMODE(24) RMODE(24). |

Explanation
After loading the table table, the migration routine checks that the table being processed has been link-edited with the correct AMODE and RMODE attributes. For migration purposes, tables must be link-edited with AMODE(24) RMODE(24).

System action
The MIGRATE command is not processed.

User response
Relink the table with the correct attributes.

Module:
DFHCSDUP

Destination
SYSPRINT

| DFH5165 S | PROCESSING IS TERMINATED. AN ERROR OCCURRED WHILE WRITING resource object TO THE CSD. |

Explanation
An error occurred when the CSD utility called DFHDMP to write the definition of the object object to the CSD file.

The CSD file may be full or corrupted.

resource is the type of resource.

System action
If the CSD is full, the CSD utility issues message DFH5176, and then terminates with a return code of 12 in message DFH5109.

If the CSD is not full, the CSD utility terminates abnormally with message DFH5175, usually accompanied by one or more of the explanatory messages, DFH5177, DFH5178, and DFH5179.

User response
Use the additional messages to determine the cause of the error and the appropriate user action required.

Module:
DFHCSDUP
**Explanation**
The call to module DFHDMP has failed to construct a valid key for the record created on the CSD file because of an invalid character, or the resource name for the migrated table entry may be invalid. resource is the type of resource, and object is the name of the object.

**System action**
A CSD record is not created for this definition. (If it is a transaction, a generated profile is not created either.)

**User response**
Use the CEDA transaction to define the resource with a valid name.

**Module:**
DFHCSDUP

---

**Explanation**
While processing a MIGRATE command, the CSD utility has detected that the CSECTs in table table are in the wrong order. Input to the linkage editor omitted a control statement to order the CSECTs.

**System action**
The CSD utility does not process the MIGRATE command.

**User response**
Use the IBM-supplied procedure, DFHAUPLK, to assemble and link-edit CICS tables. This procedure ensures the correct ordering of CSECTs within the tables.

**Module:**
DFHCSDUP
**Destination**
SYSPRINT

**DFH5174 W**  
PROCESSING IS TERMINATED.  
COMMAND CANNOT BE EXECUTED BECAUSE 'PARM=CSD(READONLY)' WAS SPECIFIED.

**Explanation**
This command requires the CSD to be opened for read-write access. Your job step specified read-only access for the CSD in the DFHCSDUP utility job stream.

**System action**
This command is not executed.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

**User response**
Amend the JCL to specify 'PARM=CSD(READWRITE)'.

**Note:**
If the CSD is recoverable, and you are accessing it in RLS mode, you cannot specify READWRITE access. To perform the command, access the CSD in non-RLS mode.

**Module:**
DFHCSDUP

---

**Destination**
SYSPRINT

**DFH5176 S**  
PROCESSING IS TERMINATED.  
CSD IS FULL.

**Explanation**
The VSAM data set containing the CSD file is full.

**System action**
Execution of the CSD utility command is terminated.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then the DFHCSDUP utility attempts to process subsequent commands.

The DFHCSDUP utility leaves a system lock on the group being created at the time of failure. This lock prevents processing of the group by the CSD utility or the CEDA transaction.

**User response**
First, use the DFHCSDUP VERIFY process to remove the system lock on the partly-created group. Normal RDO processing of the group should then be possible, enabling the group (or any unwanted definitions) to be deleted.

To recover the contents of the CSD file, define a larger data set and use the AMS REPRO command. Usually, you will be able to REPRO from the CSD file that became full. If you are unable to do this, use a backup copy. (You may be able to transfer definitions from the CSD file that filled up by using the DFHCSDUP COPY command with the FROMCSD option.)
DFH5177 S  PROCESSING IS TERMINATED.
CSD I/O ERROR OCCURRED.

Explanation
An I/O error occurred when executing a READ or WRITE of a CSD record on the primary or secondary CSD file.

System action
DFHCSDUP issues additional messages and terminates abnormally.

User response
Restore the CSD file to a new data set from your own backup, or create the new CSD file by using the INITIALIZE, COPY, and APPEND commands to restore existing definitions.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5178 S  PROCESSING IS TERMINATED.
SEVERE CSD ERROR OCCURRED.

Explanation
An error occurred during execution of the CSD manager, DFHDMP, to access the primary or secondary CSD file.

System action
DFHCSDUP issues additional messages and terminates abnormally.

User response
See the VSAM diagnostics given in message DFH5179.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5179 S  VSAM ERROR. RETURN CODE = nn
ERROR CODE = ddd(yy) CONTROL BLOCK TYPE = {RPL | ACB}

Explanation
VSAM returned the following diagnostics when an error occurred, where:
• nn is the hexadecimal VSAM return code
• yy is the hexadecimal VSAM error code (ddd is its decimal equivalent)
• CONTROL BLOCK TYPE points to the relevant error code subset as follows:
  – RPL = Request macro responses from VSAM
  – ACB = OPEN/CLOSE responses
The error code is:
  – For CONTROL BLOCK TYPE = RPL, the reason code from byte 3 of the feedback word field in the RPL (RPLERRCD)
  – For CONTROL BLOCK TYPE = ACB, the reason code in the ERROR field in the ACB (ACBERFLG)

System action
The CSD utility terminates command processing, and in some situations, produces an operating system dump.

User response
For the meaning of the VSAM return and error codes, refer to the z/OS DFSMS Macro Instructions for Data Sets manual.

When interpreting these diagnostics, ensure that the data set referenced in the JCL exists.

Check the following:
• The data set is being concurrently accessed by CICS running in another region.
• You are not attempting to open a recoverable CSD as READWRITE if DFHCSDUP specifies RLS access mode. You must specify PARM=CSD(READONLY) in this case.
• LOG is defined on the base cluster if RLS access mode is specified.

If DFHCSDUP specifies RLS access mode, a 'record not found' error could mean that the CSD has not been initialized.

Note:
You must use non-RLS access mode to initialize a recoverable CSD.
**Module:**  
DFHCSDUP

**Destination**  
SYSPRINT

**DFH5180 S**  
PROCESSING IS TERMINATED.  
ERROR OCCURRED WHILE CSD WAS BEING READ  
BY \{SETBROWSE | GETNEXT\} \{SCANSETS | SCANOBS\}  

**Explanation**  
When the LIST command invoked DFHDM to scan the objects on the CSD file, an error occurred during execution of the DFHDM function.

**System action**  
The CSD utility terminates with an MVS abend 0325.

**User response**  
This error should be reported. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**  
DFHCSDUP

**Destination**  
SYSPRINT

**DFH5181 W**  
NO MATCH FOUND FOR GENERIC \{GROUP | LIST\} xxxxxxxx  
IDENTIFIER xxxxxxxx  

**Explanation**  
The LIST command was executed with a generic group or list name, but no qualifying group or list exists on the CSD file.

**System action**  
Normal processing continues.

**User response**  
None.

**Module:**  
DFHCSDUP

**Destination**  
SYSPRINT

**DFH5183 W**  
\{GROUP | LIST\} xxxxxxxx EXISTS AS A \{GROUP | LIST\} NAME.

**Explanation**  
The LIST command or the DELETE command was executed using a group name that is already in use as a list name, or using a list name that is already in use as a group name.

**System action**  
The LIST command or the DELETE command is not processed. Subsequent commands may still be processed.

**User response**  
Correct the LIST command or the DELETE command to use a valid group or list name.

**Module:**  
DFHCSDUP

**Destination**  
SYSPRINT
DFH5184 S  PROCESSING IS TERMINATED. INVALID OUTPUT FROM DFHPUP. CANNOT FORMAT DATA FOR UTILITY LISTING.

Explanation
There has been an internal logic error in the DFHCSDUP utility program. The data in the back-translated output buffer is invalid. The length code may be out of range or the data fields in the wrong sequence. One or more of the data fields may be invalid.

System action
The CSD utility terminates with an MVS abend 0326.

User response
This error must be reported.

Obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where the error(s) have occurred because they will refuse to print and are therefore easily identifiable.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5186 W  NO RESOURCES DEFINED IN GROUP gpnname OR NO GROUPS DEFINED IN LIST lstd

Explanation
In executing a LIST command, the CSD utility has found a group or list header on the CSD file for which no corresponding group or list elements exist.

System action
The utility continues to process the LIST command, but will not tabulate elements of the group or list named in the message.

User response
Run the DFHCSDUP VERIFY utility.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5187 I  resource IS LOCKED, BUT IS NOT THE NAME OF A GROUP OR LIST.

Explanation
The CSD utility detected a locked resource that is not a group or list. The reason is that an interrupt or failure occurred during a CEDA transaction or a previous utility job. A lock had been created but not the associated group or list.

System action
The utility continues normal processing of the VERIFY command.

User response
None.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5188 I  {GROUP | LIST | RESERVED NAME} resource IS NOW AVAILABLE FOR USE.

Explanation
The VERIFY command discovered that the resource was not available for the CEDA transaction or offline commands. The restriction on its availability, which was due to the failure of some previous command affecting it, has now been removed.

System action
Normal processing of the VERIFY command continues.

User response
None.

Module:
DFHCSDUP

Destination
SYSPRINT
**Explanation**
The VERIFY command has been processed successfully, and any internal locks associated with groups and lists on the CSD file have been removed.

**System action**
Normal processing continues.

**User response**
None.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

---

**Explanation**
There is insufficient storage available to load the service module `profilename`, that is to be loaded and executed by DFHCSDUP.

**System action**
Utility command execution is terminated.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

**User response**
Ensure that there is sufficient storage allocated to load module `profilename`.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

---

**Explanation**
The service module `profilename` has been loaded correctly. Execution of the module has started.

**System action**
Normal processing continues.

**User response**
None.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

---

**Explanation**
Either the LEVEL parameter specified in the SERVICE command is wrong, or an incorrect version of the CSD file is being used as the secondary (input) CSD file.

**System action**
The SERVICE command is not executed.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

**User response**
The SERVICE command may upgrade the service level of the CSD file only in increments of one. Check that the input CSD file is the intended one, and that the LEVEL parameter takes the value one higher than the current service level of the CSD file.

**Module:** DFHCSDUP

**Destination**
SYSPRINT
Destination
SYSPRINT

DFH5193 S COMMAND IS NOT EXECUTED.
SERVICE MODULE proname IS UNABLE TO UPGRADE CSD TO TARGET SERVICE LEVEL ttt

Explanation
The LEVEL parameter specified in the SERVICE command is incompatible with the status of the service module proname being applied to the CSD file.

System action
The SERVICE command is not executed.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User response
Ensure that the service module proname being applied, is correctly updated with the service fix supplied by IBM. (It should have been amended so as to be able to process SERVICE commands at the target level ttt.)

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5195 I EXECUTION OF SERVICE PROGRAM proname COMPLETE.

Explanation
The loaded service program proname has run to completion. Control is being transferred back to the CSD offline utility program, DFHCSDUP.

System action
Normal processing continues.

User response
None.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5196 S COMMAND IS TERMINATED.
ERROR OCCURRED WHILE READING CONTROL SECONDARY CSD RECORD.

Explanation
An I/O error has occurred on the specified CSD file.

System action
The SERVICE command is terminated.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5194 I UPGRADING SERVICE STATUS OF CSD FROM LEVEL sss TO LEVEL ttt

Explanation
The loaded service module is performing the required upgrade of the CSD file from service level sss to service level ttt.

System action
Normal processing continues.
User response

Retry the command, ensuring that a sufficiently large data set size is specified for the output (primary) CSD file.

Module:
DFHCSDUP

Destination

SYSPRINT

DFH5197 S
COMMAND IS TERMINATED.
UNRECOGNIZED CONTROL
RECORD ENCOUNTERED WHILE
SECONDARY CSD WAS BEING
READ.

Explanation

The contents of a control record of the secondary input CSD are invalid.

System action

The SERVICE command is terminated.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User response

Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the OLDCSD parameter in the SERVICE utility command.

If the problem persists, you will need further help from IBM. First, obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a print out of the CSD using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST indicates where the errors have occurred because they do not print and are therefore easily identifiable. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHCSDUP

Destination

SYSPRINT

DFH5198 I
CSD RECORD MODIFIED FOR
xxxxxxxx

Explanation

The specified modification to a record on the CSD file has taken place.

The insert, xxxxxxxx, is the element type.

System action

Normal processing continues. If the modified record is an element in a GROUP or LIST, its date-and-time field is updated when copied to the output (primary) CSD file.

User response

None.

Module:
DFHCSDUP

Destination

SYSPRINT

DFH5199 W
INVALID FIELD ENCOUNTERED IN
EXISTING RECORD FOR xxxxxxxx

Explanation

An unexpected value was found in one of the fields of a CSD record that was to be modified for element xxxxxxxx.

System action

Normal processing continues, and the invalid record is left unchanged on the new (primary) CSD file.

User response

None.

Module:
DFHCSDUP

Destination

SYSPRINT
DFH52nn messages

DFH5200 S  COMMAND NOT EXECUTED. NO VALID LANGUAGE TABLE WAS LOADED.

Explanation
Either the CSD utility found that the RDO language table had not been loaded correctly, or that it contained invalid data.

System action
The CSD utility terminates, because it cannot process any commands.

User response
Check that the correct version of the RDO language table (DFHEITCU) is in the program library.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5201 S  command COMMAND IS NOT VALID. COMMAND NOT EXECUTED.

Explanation
The CSD utility does not recognize the command.

System action
The utility ignores the command.

User response
Correct the command.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5203 W  RIGHT PARENTHESIS ASSUMED AFTER THE VALUE OF xxxx.

Explanation
The syntax of the command was incorrect. Either a right parenthesis has been omitted or a keyword value in excess of 256 bytes has been specified.

System action
The CSD utility executes the command as if the right parenthesis was present.

User response
Confirm that the correction applied by the utility generated the required command.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5204 E  COMMAND NOT EXECUTED. xxxx KEYWORD IS NOT VALID.

Explanation
The keyword xxxx is not valid on this command.

System action
The utility command is ignored.

User response
Correct the command.

Module: DFHCSDUP
DFH5205 E  COMMAND NOT EXECUTED. NO VALUE WAS SPECIFIED FOR xxxx.

Explanation
The option xxxx is incomplete, possibly because a value has been omitted.

System action
This CSD utility command is ignored.

User response
Correct the command.

Module:
DFHCSDUP

DFH5206 E  COMMAND NOT EXECUTED. DUPLICATE SPECIFICATION OF xxxx.

Explanation
Option xxxx appears twice on a single CSD utility command.

System action
The utility ignores the command.

User response
Correct the command.

Module:
DFHCSDUP

DFH5208 W  RESOURCE DEFINED BUT NO VALUE WAS SPECIFIED FOR xxxxxxxx. ENSURE THAT THE RESOURCE IS UPDATED.

Explanation
The CSD utility detected that an input command did not have a value for the specified keyword xxxxxxxx, when a value was required.

System action
The utility processes the command and ignores the specified keyword.

User response
Correct the input command and update the defined CICS resource.

Module:
DFHCSDUP

DFH5209 W  NO COMMAND ENCOUNTERED. THE INPUT FILE MIGHT BE EMPTY.

Explanation
The CSD utility detected that an input command was missing. A valid CSD input command was expected but not found.

System action
The utility continues processing the input file.
Ensure that you have valid DFHCSDUP input commands in the SYSIN data stream. If you are using the UPGRADE USING(file name) command, ensure that the input file contains valid commands.

**Module:**
DFHCSDUP

**Destination**
SYSPRINT

DFH5210 E COMMAND NOT EXECUTED. INVALID VALUE WAS SPECIFIED FOR xxxx.

**Explanation**
The CSD utility detected an input command coded with an invalid value for option xxxx.

**System action**
The utility does not process the command.

**User response**
Correct the value.

**Module:**
DFHCSDUP

**Destination**
SYSPRINT

DFH5211 E COMMAND NOT EXECUTED. OPERAND DELIMITER x WAS MISPLACED.

**Explanation**
The CSD utility has detected an input command coded with a misplaced option delimiter x.

**System action**
The utility does not process the command.

**User response**
Place the delimiter correctly.

**Module:**
DFHCSDUP

**Destination**
SYSPRINT

DFH5212 E COMMAND NOT EXECUTED. comptype string IS NOT UNIQUELY IDENTIFIABLE.

**Explanation**
An ambiguous DFHCSDUP command has been specified.

• comptype is the command component type
• string is the actual component.

**System action**
The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

**User response**
Correct the command syntax and retry. See accompanying message DFH5213 for further details of the command failure.

**Module:**
DFHCSDUP

**Destination**
SYSPRINT

DFH5213 E SPECIFIED input COULD BE INTERPRETED AS match1 OR match2.

**Explanation**
An ambiguous DFHCSDUP command has been specified.

• input is the ambiguous character string
• match1 and match2 are two possible interpretations of input.

**System action**
The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

**User response**
Correct the command syntax and retry.
**Module:** DFHCSDUP

**Destination** SYSPRINT

**DFH5214 W** *keyword* IS AN OBSOLETE KEYWORD. IT IS IGNORED. RESPECIFY USING THE COMPAT OPTION.

**Explanation**
The CSD utility has detected an input command coded with an obsolete keyword. The keyword specifies an option not valid for this release of CICS, but the command can be used as input to the CSD utility for an earlier release.

**System action**
The utility ignores the keyword.

**User response**
Confirm that the resulting utility command is correct for this release of CICS.

**Module:** DFHCSDUP

**Destination** SYSPRINT

**DFH5215 E** COMMAND NOT EXECUTED. A CLOSING PARENTHESIS HAS BEEN OMITTED FROM A NULL VALUE SPECIFIED ON AN ALTER COMMAND.

**Explanation**
A closing parenthesis was not added when a null value was specified for a keyword on an ALTER command. A closing parenthesis is automatically added for keyword values other than nulls.

**System action**
The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

**User response**
Correct the command syntax and retry.

**Module:** DFHCSDUP

**Destination** SYSPRINT

**DFH5216 E** *restype resname* IS NOT IN GROUP *group*.

**Explanation**
A nonexistent resource of type *restype* and name *resname*, has been specified on an ALTER command.

**System action**
The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

**User response**
Correct the command syntax and retry.

**Module:** DFHCSDUP

**Destination** SYSPRINT

**DFH5217 E** COMMAND NOT EXECUTED. A CLOSING BRACKET HAS BEEN OMITTED FROM A *xxxx* KEYWORD.

**Explanation**
A closing bracket has been omitted from the *xxx* keyword on a DFHCSDUP DEFINE command.

**System action**
The DEFINE command is not executed.

**User response**
Correct the DEFINE command syntax and retry.
During the execution of a generic ALTER command, the CSD batch update utility scans the CSD file for matches to the specified generic resource name and/or GROUP keyword. For every match, the utility processes the request and informs the user of the resulting resourcename and/or groupname respectively.

**System action**
Normal processing continues.

**User response**
None.

**Module:**
DFHCSDUP
System action
The utility command is ignored.

User response
Correct the command.

Module:
DFHCS DUP

Destination
SYSPRINT

DFH5224 E COMMAND NOT EXECUTED. VALUE OF xxxxxxxx IS OUT OF VALID RANGE.

Explanation
The CSD utility detected an input command coded with a numeric value for value xxxxxxxx which was outside the valid range.

System action
The utility does not process the command.

User response
Correct the value.

Module:
DFHCS DUP

Destination
SYSPRINT

DFH5225 E COMMAND NOT EXECUTED. SAME NAME SPECIFIED FOR 'TO' AND xxxxxxxx.

Explanation
This message is issued for one of the following reasons:
1. The utility COPY command has been coded with the same group name for the source and target group.
2. The APPEND command has been coded with the same list name for the source and target list.
3. The ADD command has been coded with the same group name and list name.

System action
The CSD utility or CICS ignores the command.

User response
Correct the name (or names) in error.

Module:
DFHCS DUP

Destination
SYSPRINT

DFH5227 E COMMAND NOT EXECUTED. USE OF GENERIC NAME CONFLICTS WITH xxxxxxxx OPTION.

Explanation
A CSD utility command used a generic name; that is, one containing asterisk (*) or plus sign (+) characters, in conjunction with an option that conflicted with the use of generic names.

A generic list name cannot be used with the OBJECTS option. Given that user programs DFHxCRFy and DFHxFORy require the OBJECTS option, this means a generic list name can only be used when using user program DFH0CBDC or a user-written user program that does not mandate use of the OBJECTS option.

System action
The utility ignores the command.

User response
Correct the command.

Module:
DFHCS DUP

Destination
SYSPRINT

DFH5228 E COMMAND NOT EXECUTED. ONLY ONE RESOURCE-TYPE KEYWORD CAN BE SPECIFIED.

Explanation
The CSD utility detected an input command coded with more than one resource-type keyword.

System action
The utility does not process the command.

User response
Correct the command to refer to only one resource-type keyword.
Module: DFHCSDUP

Destination SYSPRINT

DFH5229 E COMMAND NOT EXECUTED. xxxxxxxx IS INVALID BECAUSE A RESOURCE-TYPE KEYWORD WAS SPECIFIED.

Explanation
The CSD utility detected an input command coded with a resource-type keyword (for example, PROGRAM, TRANSACTION) in a situation where a resource-type keyword is invalid.

System action
The utility does not process the command.

User response
Correct the command and resubmit.

Module: DFHCSDUP

Destination SYSPRINT

DFH5230 I ERASE COMMAND IS OBSOLETE. USE THE DELETE COMMAND.

Explanation
The CSD utility detected the obsolete ERASE command in its input.

System action
The utility processes the command as a DELETE command.

User response
Correct the command syntax and resubmit the job.

Module: DFHCSDUP

Destination SYSPRINT

DFH5231 E COMMAND NOT EXECUTED. xxxxxxxx IS INCOMPATIBLE WITH THE MIGRATE COMMAND FOR table-type TABLES.

Explanation
An attempt has been made to execute the MIGRATE command with an invalid table type and (or) an invalid keyword specified.

System action
The CSD utility terminates.

User response
Correct the command syntax and resubmit the job.

Module: DFHCSDUP

Destination SYSPRINT

DFH5232 E COMMAND NOT EXECUTED. xxxxxxxx PARAMETER MUST NOT BEGIN WITH 'DFH'.

Explanation
In a CSD utility MIGRATE command, the xxxxxxxx parameter contained an invalid table name or group name.

System action
The utility does not process the command.

User response
Resubmit with a valid table name or group name.

Module: DFHCSDUP

Destination SYSPRINT

DFH5233 E COMMAND NOT EXECUTED. xxx TABLE TYPE IS NOT SUPPORTED BY RDO.

Explanation
The CSD utility detected a TABLE parameter that referred to a CICS table type not supported by RDO.
**System action**
The utility does not process the command.

**User response**
Correct the command.

**Module:**
DFHCSDSP

**Destination**
SYSPRINT

**Explanation**
The CSD utility detected a command command in its input which is not supported by RDO.

**System action**
The utility does not process the command.

**User response**
Correct the command

**Module:**
DFHCSDSP

**Destination**
SYSPRINT

**Explanation**
A CSD utility EXTRACT command has been submitted. A GROUP or LIST name must be specified with an EXTRACT command.

**System action**
The utility command is not executed. This message is followed by DFH5104.

**User response**
Ensure that the user program used is the one intended.

**Module:**
DFHCSDSP

**Destination**
SYSPRINT

**Explanation**
The environment adaptor GETCARD utility cannot read an input utility command.

**System action**
The CSD utility terminates abnormally without processing the input commands.

**User response**
Check that the utility commands are prepared correctly and located correctly in the JCL. Check also that the DD statement defining the output data set startup job stream is correct. For JCL examples, refer to the CICS documentation.

**Module:**
DFHCSDSP
**Explanation**
The CSD utility detected incorrectly formatted input in the SYSIN data stream.

**System action**
The CSD utility cannot process any commands. The utility attempts to:
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

**User response**
Ensure that the output data set data stream is formatted with fixed length 80-byte records.

**Module:** DFHCSDUP

---

**Explanation**
The CSD utility detected too many continuation records for input utility command.

**System action**
The utility does not process the command.

**User response**
Correct the command.

**Module:** DFHCSDUP

---

**Explanation**
During the execution of a generic COPY command, the batch update utility found the argument of the TO parameter specified too many non contiguous asterisks.

Only one '*' is allowed in the TO parameter during the execution of a generic copy.

**System action**
The utility rejects the command.

**User response**
Correct the command.

**Module:** DFHCSDUP

---

**Explanation**
A resource definition existed in both source and target groups. Based on the CSD utility commands submitted, the utility has replaced the definition in the target group with that from the source group.

- resource is the type of the resource
- object is the name of the object
- grpname is the name of the group.

**System action**
Normal utility processing continues.

**User response**
None.

**Module:** DFHCSDUP

---
Explanation
The CSD utility has correctly copied a resource definition to the specified group, where:
- resource is the type of resource
- object is the name of the object
- grpname is the name of the group.

System action
Normal utility processing continues.

User response
None.

Module: DFHCSUDP

Destination SYSPRINT

DFH5253 E GROUP grpname NOT FOUND IN CSD FILE - DDNAME: ddname

Explanation
The CSD utility has detected a COPY command that attempted to copy definitions from the non-existent group, grpname, in the CSD specified in DDNAME ddname.

System action
The utility does not process the command.

User response
Either correct the group name in the command, or make sure that the specified CSD file is the correct one.

Module: DFHCSUDP

Destination SYSPRINT

DFH5254 E resource object ALREADY EXISTS IN THE TARGET GROUP.

Explanation
In executing a LIST command, the CSD utility has found a group header on the CSD file for which no group elements exist.
System action
The CSD utility continues to process the LIST command, but will not list elements of the named group.

User response
Run the DFHCSDUP VERIFY utility to verify the group.
Module: DFHCSDUP
Destination SYSPRINT

DFH5257 E LENGTH OF 'TO' PREFIX MUST BE LESS THAN OR EQUAL TO LENGTH OF 'GROUP' PREFIX.

Explanation
During the execution of a generic COPY command, the batch update utility found the length of the prefix of the generic group specified in the TO keyword to be greater than the length of the prefix of the generic GROUP keyword.

System action
The utility ignores the command to prevent truncation of the TO group name.

User response
Correct the command.
Module: DFHCSDUP
Destination SYSPRINT

DFH5258 I COPYING GROUP grpname1 TO grpname2

Explanation
During the execution of a generic COPY command, the CSD batch update utility scans the CSD file for matches to the generic GROUP keyword. For every match, the utility resolves the generic TO keyword, and informs the user of the resulting grpname1 and grpname2 respectively.

System action
Normal processing continues.

DFH5259 I UNRECOGNIZED RESOURCE TYPE FOUND IN THE CSD FILE AND HAS BEEN IGNORED.

Explanation
CICS has found an unrecognized resource type code in a CSD record. The unrecognized code does not match any of the function codes in the language definition table. This can occur for one of the following reasons:

1. You are using a CICS release that does not support a type of definition that was created on the CSD file by a later CICS release.
2. The language definition table (DFHEITSP or DFHEITCU) is invalid for this CICS release.
3. The CSD manager (DFHDMP) has passed an invalid CSD record buffer to DFHPUP. This is a CICS internal logic error.

System action
The resource is ignored and the operation continues.

User response
Determine which of the possible reasons caused the error. If you can eliminate reasons 1 and 2, you can assume that reason 3 applies.
Take action corresponding to the reason you have established as follows:

1. Ignore the message.
2. Ensure that the library contains versions of DFHEITSP and DFHEITCU that are valid for the CICS release you are running.
3. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHCSDUP
Destination SYSPRINT
**Explanation**

During the execution of a generic COPY command, the batch update utility found the length of the suffix of the generic group specified in the TO keyword to be of different length than that of the suffix of the generic GROUP keyword.

**System action**

The utility ignores the command to prevent ambiguity on the TO group name.

**User response**

Correct the command.

**Module:** DFHCSDUP

**Destination**

SYSPRINT

**Explanation**

The CSD utility detected an attempt to migrate a TCT that either contains no RDO-supported terminal or sessions definitions, or whose TYPE=INITIAL entry specifies MIGRATE=COMPLETE.

**System action**

The utility does not create any CSD definitions.

**User response**

Check the TCT source code to see if it contains any RDO-supported definitions. If it does, check that it has been correctly assembled (MIGRATE=YES specified) and link-edited.

**Module:** DFHCSDUP

**Destination**

SYSPRINT

**Explanation**

During CSD utility processing, an internal error has occurred in the migration of a TCT. This is because of abnormal data in the assembled table.

**System action**

The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

In any of the above cases, definitions that have already been migrated will remain on the CSD.

**User response**

1. Run the DFHCSDUP VERIFY utility.
2. Delete the groups created by the failing MIGRATE command.
3. Allocate a larger region size in the utility JCL, and retry the command.

**Module:** DFHCSDUP

**Destination**

SYSPRINT

**Explanation**

During CSD utility processing, an internal error has occurred in the migration of a TCT. This is because of lack of storage for TYPETERM definitions.

**System action**

The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

In any of the above cases, definitions that have already been migrated will remain on the CSD. The MVS user abend code is 0308.
User response
1. Run the DFHCSDUP VERIFY utility.
2. Delete the groups created by the failing MIGRATE command.
3. Keep the assembly listing for the failing table and keep the DFHCSDUP dump, if available. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5264 W RESOURCE object NOT DEFINED. GROUP grpname NOT AVAILABLE.

Explanation
During the migration of a TCT, the CSD utility could not define a resource object because the target group grpname was not available. The utility has issued a previous message indicating the reason.

System action
The utility creates no definition for resource object. Normal utility processing continues.

User response
Review the original message. If necessary, recode the TYPE=GROUP macro in the TCT source to name a suitable group.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5265 W ACTION REQUIRED TO FIND A SUITABLE TYPETERM FOR TERMINAL termid.

Explanation
While migrating a TCT, the CSD utility found a terminal definition for which it could not create a corresponding TYPETERM definition.

System action
The utility adds the terminal definition to the CSD file, but it refers to a TYPETERM that may be unsuitable for this device.

User response
Use the CEDA transaction to define a suitable TYPETERM and alter the TERMINAL definition to refer to the new TYPETERM.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5266 W SESSIONS sessions NOT DEFINED BECAUSE OF ERROR IN ASSOCIATED CONNECTION.

Explanation
An error has been detected during the migration of a TCT. When migrating a session, DFHCSDUP checks that the associated CONNECTION has been defined successfully. If it has not, DFHCSDUP abnormally terminates the session definition.

System action
The specified SESSIONS resource is not migrated to the CSD. DFHCSDUP continues with the migration of subsequent TCT entries.

User response
Use the diagnostic information in the output listing from the MIGRATE utility to determine why the CONNECTION definition has failed. You can then use RDO to DEFINE the CONNECTION and the SESSIONS to the CSD.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5270 I {GROUP | LIST} xxxxxxxx DELETED FROM THE CSD.

Explanation
The CSD utility has successfully deleted a group or list from the primary CSD file.
System action
Normal utility processing continues.

User response
None.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5271 S UNABLE TO DELETE {GROUP / LIST} xxxxxxxx FROM THE CSD.

Explanation
During CSD utility processing, an error in accessing the CSD file caused a delete operation to fail.

System action
The utility does not process the DELETE command. The group or list to be deleted remains on the CSD file.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5272 I resource object DELETED FROM GROUP.

Explanation
The CSD utility successfully deleted the named resource, where:
• resource is the type of resource
• object is the name of the object

System action
Normal utility processing continues.

User response
None.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5273 W resource object IS NOT IN GROUP grpname.

Explanation
The CSD utility detected an attempt to delete a resource which did not exist in the named group, where:
• resource is the type of resource
• object is the name of the object
• grpname is the name of the group.

System action
The utility does not process the DELETE command.

User response
Check that you have coded the group and resource names correctly.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5274 W resource object NOT MIGRATED.
GROUP grpname IS NOT AVAILABLE.

Explanation
During the migration of a table, the CSD utility could not define the resource resource because the target group grpname was not available. The utility has issued a previous message indicating the reason why.

System action
The utility creates no definition for the resource named object. Normal utility processing continues.

User response
Review the original message. If necessary recode the TYPE=GROUP macro in the table source to name a suitable group.

Module:
DFHCSDUP
COMMAND NOT EXECUTED.
GROUP grpname IS NOT THE MEMBER OF LIST listname.

The REMOVE command being executed names a GROUP that is not a member of LIST listname.

The CSD utility ignores the command

The CSD utility has successfully loaded data from the named library member.

The CSD utility has found an error in data loaded from the named library member.

The utility attempts to:
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

Obtain a dump containing the failing library member.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.
**Explanation**

The CSD utility found an internal error in the data loaded while processing the indicated (truncated) UPGRADE, INITIALIZE, or MIGRATE command.

**System action**

The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

**User response**

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHCSDUP

**Destination**

SYSPRINT

**Explanation**

The CSD utility found an internal error in the data loaded while processing the indicated (truncated) UPGRADE, INITIALIZE, or MIGRATE command.

**System action**

The CSD utility terminates abnormally.

**User response**

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHCSDUP

**Destination**

SYSPRINT

**Explanation**

The CSD utility found an internal error in the data loaded while processing the indicated (truncated) UPGRADE, INITIALIZE, or MIGRATE command.

**System action**

The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

**User response**

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHCSDUP
Destination
SYSPRINT

DFH5286 E UNABLE TO CREATE RESOURCE DEFINITION ON CSD FILE, RDL SUBCOMMAND: xxxxxxxx.

Explanation
This message is issued during the processing of the indicated (truncated) command for one of the following reasons:

1. The CSD is full (in which case, messages DFH5175 and DFH5176 accompanies this one)
2. The CSD was defined as read-only (in which case, message DFH5174 accompanies this message)
3. The TCT being migrated contained a terminal entry with a name unacceptable to RDO (in which case, message DFH5165 accompanies this message)
4. A list or group cannot be used due to the failure of a previous update operation (in which case, message DFH5142 accompanies this message)
5. The resource definition list being used to INITIALIZE or UPGRADE the CSD file contained a definition with an invalid resource name or group name
6. A logic error occurred in DFHCSDUP or an internal error was detected in the data contained in the loaded table.

System action
The system action depends on the reason the message is issued, as follows.

1. Migration of the TCT table is terminated immediately.
2. Processing of the UPGRADE or INITIALIZE command is terminated
3. The utility attempts to:
   a. Close any files previously opened internally.
   b. Unload any extract exit routines that were dynamically loaded.
   c. Invoke the termination exit routine (if supplied).
   d. Return control to the invoker of the utility.
4. The command is not executed, and execution of further DFHCSDUP commands in the job stream is suppressed.
5. As in (3) above.
6. As in (3) above.

In ALL cases, all the definitions created by this command up to the point of failure remain on the CSD.

User response
The user response depends on the reason the message is issued, as follows.

1. See message DFH5175 and DFH5176.
2. See message DFH5174.
3. Change the name of the terminal and all references to it. Also refer to the user response for message DFH5165.
4. See message DFH5142.
5. This is a CICS logic error. See instruction for 6 below.
6. This is a CICS logic error. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed. A CICS background trace of the failure may aid them in problem diagnosis.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5287 E EXTRACT TERMINATED AT USER'S REQUEST. RC=retcode.

Explanation
A batch job has issued a CSD utility EXTRACT command. The EXTRACT command has been terminated because of a non-zero value in register 15 on return from a user exit program. Subsequent messages will indicate any further problems encountered by the utility.

System action
Execution of the utility command is terminated. This message is followed by DFH5104.

User response
Determine the cause of the error detected by the user exit program using the return code retcode provided and the relevant documentation of the user exit program.

Module:
DFHCSDUP

Destination
SYSPRINT
**Explanation**

The GET-COMMAND exit has returned a value other than UERCNORM ('00'X) or UERCDONE ('04'X) indicating that the GET-COMMAND exit was unsuccessful.

**System action**

Execution of the utility command is terminated.

**User response**

Correct the operation of the GET-COMMAND user exit before re-running the utility. Consult the documentation or listing supplied with the user exit for information on how to diagnose and fix the problem.

**Module:** DFHCSDUP

**Destination**

SYSPRINT

**Explanation**

During a table tabtype migration for macro mactype, value is not supported. value has been migrated as newvalue

**System action**

The utility creates the definition for the resource with the changed value. Normal utility processing continues.

**User response**

Review the object definition to ensure that the modified definition is acceptable.

**Module:** DFHCSDUP

**Destination**

SYSPRINT

**Explanation**

The DFHCSDUP migration utility could not define object for the table item name. The migration continues.

**System action**

The utility continues the table migration without defining the object.

**User response**

Correct the prior errors and manually define the skipped objects.

**Module:** DFHCSDUP

**Destination**

SYSPRINT

**Explanation**

CICS issues this message after migrating a CICS table. number definitions of type object were not migrated. See one or more DFH5292 messages issued prior to this message.
**System action**  
Utility processing continues.

**User response**  
Correct the prior errors and manually define the skipped objects.

**Module:**  
DFHCSUDP

**Destination**  
SYSPRINT

**Explanation**  
CICS issues this message if there are object-1 table definitions that have not been defined because the table was not defined correctly. object-1 table definitions must refer to a object-2 in the table.

**System action**  
The migration of the table ends.

**User response**  
Reassemble the table with the current release macro source.

**Module:**  
DFHCSUDP

**Destination**  
SYSPRINT

**Explanation**  
Multiple values were specified for TYPE=mactype parameter. The migration of the tabtype table supports only one value.

**System action**  
The migration utility ignores the additional values. The migration continues.

**User response**  
Review the migrated definition to ensure that the new single value is acceptable.

**Module:**  
DFHCSUDP

**Destination**  
SYSPRINT

**Explanation**  
The CSD utility detected a command, command, in its input that is no longer supported by RDO.

**System action**  
The utility does not process the command.

**User response**  
Refer to the Upgrading Guide for details on how to proceed if you need to use the withdrawn command. It is possible that you can run with a back-level version of the CSD utility program that would support the command.

**Module:**  
DFHCSUDP

**Destination**  
SYSPRINT

**Explanation**  
The CSD utility detected an attempt to copy a resource which did not exist in the named group, where:

- **resource** is the type of resource
- **object** is the name of the object
- **grpname** is the name of the group.

**System action**  
The utility does not process the COPY command.

**User response**  
Check that you have coded the group and resource names correctly.
**DFH55nn messages**

**DFH5501 E** COMMAND NOT EXECUTED. *keyword* MUST BE SPECIFIED

**Explanation**
A keyword *keyword*, which is required in the command, has been omitted or was incorrectly specified. An earlier message identifies if the latter case is applicable.

**System action**
The utility ignores the command.

**User response**
Correct the command.

**DFH5502 W** *xxxxxx* IMPLIES *yyyyyy*

**Explanation**
The value *xxxxxx* specified in a DEFINE or ALTER command has caused another value *yyyyyy*, which is not a normal default, to be assumed.

**System action**
Normal utility processing continues.

**User response**
Check the resulting resource definition is acceptable. If you accept this default, no further action is required.

If the resultant default is not acceptable, you must decide whether to modify the definition, or to delete it and start again.

**DFH5503 E** COMMAND NOT EXECUTED. *xxxxxxx* OPTION CONFLICTS WITH *yyyyyy* OPTION AND IS IGNORED.

**Explanation**
Two options, *xxxxxx* and *yyyyyy*, that are mutually exclusive have been specified.

**System action**
The utility ignores the command and does not execute subsequent commands (except the LIST command).

**User response**
Correct the command.

**DFH5504 E** COMMAND NOT EXECUTED. USE OF *xxxxxx* OPTION IMPLIES *yyyyyy* OPTION

**Explanation**
Option *xxxxxx* requires another value, *yyyyyy*.

**System action**
The utility ignores the command.

**User response**
Specify *yyyyyy*.

**DFH5505 W** PROGRAM DFHMSP REQUIRES A TWASIZE OF AT LEAST 512

**Destination**
SYSPRINT
Explanation
A DEFINE PROGRAM command for the message switching program, DFHMSP, has given it a TWASIZE of less than 512 bytes. If it is to be a definition for the CICS-supplied program of that name then it will not execute correctly.

System action
Normal utility processing continues.

User response
Check that the resulting resource definition is as you expect.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5506 E COMMAND NOT EXECUTED. FOR xxxxxxx MANY OPTIONS, INCLUDING yyyyyyy ARE MEANINGLESS

Explanation
A keyword or value has been specified that is not consistent with another.

System action
The utility ignores the command.

User response
Correct the command.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5508 E COMMAND NOT EXECUTED. xxxxxxx VALUE MUST BE LESS THAN OR EQUAL TO yyyyyyy VALUE.

Explanation
A value has been specified that is not consistent with another. The value xxxxxxx must be less than or equal to yyyyyyy.

System action
The utility ignores the command.

User response
Correct the command.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5509 E COMMAND NOT EXECUTED. xxxxxxx NAME MUST NOT BE THE SAME AS yyyyyyy NAME

Explanation
Some values in DEFINE commands must not be the same as the name of the resource. xxxxxxx must not have the same name as yyyyyyy.

System action
The utility ignores the command.

User response
Correct the command.

Module: DFHCSDUP
Destination
SYSPRINT
DFH5510 W xxxxxx NAMES BEGINNING WITH yyyyyy ARE RESERVED AND MAY BE REDEFINED BY CICS

Explanation
CICS supplies standard programs and transactions whose names you should usually avoid.

System action
Normal utility processing continues.

User response
Check that the resulting resource definition is as you expect.

Module:
DFHCSDUP

Destination
SYSPRINT
DFH5511 W xxxxxx NAME yyyyyyy IS RESERVED AND MAY BE REDEFINED BY CICS

Explanation
CICS supplies standard programs and transactions whose names you should usually avoid.

System action
Normal utility processing continues.

User response
Check that the resulting resource definition is as you expect.

Module:
DFHCSDUP

Destination
SYSPRINT
DFH5512 W PROGRAM NAME BEGINS WITH 'DFH' BUT TRANSACTION NAME DOES NOT BEGIN WITH 'C'

Explanation
CICS supplies standard programs and transactions whose naming conventions you should avoid.

System action
Normal utility processing continues.

User response
Check that the resulting resource definition is as you expect.

Module:
DFHCSDUP

Destination
SYSPRINT
DFH5513 E COMMAND NOT EXECUTED. THE SECOND VALUE OF xxxxxx MUST NOT BE GREATER THAN THE FIRST.

Explanation
Some keywords take pairs of values which are essentially maximum and minimum values.

System action
The utility ignores the command.

User response
Correct the command.

Module:
DFHCSDUP

Destination
SYSPRINT
DFH5514 E COMMAND NOT EXECUTED. WITH SESSNAME THERE CAN ONLY BE ONE COUNT AND ITS VALUE MUST BE 1.

Explanation
The use of SESSNAME in a DEFINE SESSIONS command means that a single-session, either for sending or receiving, is required.

System action
The utility ignores the command.
User response
Correct the command.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5515 W AUTOPAGE(NO) HAS BEEN SPECIFIED FOR A 3270 PRINT DEVICE

Explanation
A DEFINE TYPETERM command has AUTOPAGE(NO) and DEVICE(3270P) or DEVICE(LUTYPE3).

System action
Normal utility processing continues.

User response
Check that the resulting resource definition is as you expect.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5516 W THE VALUES OF DEVICE AND SESSIONTYPE ARE EQUIVALENT TO DEVICE(devtype) AND HAVE BEEN REPLACED

Explanation
A DEFINE TYPETERM command has a valid but obsolete DEVICE and SESSIONTYPE combination.
This DEVICE and SESSIONTYPE combination has been replaced by a simpler equivalent indicated by devtype.

System action
Normal utility processing continues.

User response
Check that the resulting resource definition is as you expect. The Defining resources provides further information about device equivalents.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5518 W XTRANIDS xxxxxxx ARE RESERVED AND MAY BE REDEFINED BY CICS

Explanation
CICS supplies programs and transactions whose names you should usually avoid.

System action
Normal utility processing continues.

User response
Check that the resulting resource definition is as you expect.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5519 E COMMAND NOT EXECUTED. xxxxxxx VALUE CONTAINS AN INVALID y.
Explanation
All character values in DFHCSDUP commands are subject to rules which, depending on the value, disallow certain characters.

System action
The utility ignores the command.

User response
Correct the command.

The Defining resources provides further information about these rules under the individual attributes for the syntax of the DFHCSDUP command.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5520 W  THE VALUE OF DEVICE IS EQUIVALENT TO xxxxxxx AND HAS BEEN REPLACED

Explanation
A DEFINE TYPETERM command has a valid but obsolete DEVICE value which has been replaced by a simpler equivalent.

System action
Normal utility processing continues.

User response
Check that the resulting resource definition is as you expect.

The Defining resources provides further information about these simpler equivalent devices.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5521 E  COMMAND NOT EXECUTED. LENGTH OF "xxxxxxx VALUE IS MORE THAN ALLOWED.

Explanation
All character values in DEFINE commands are of limited length.

System action
The utility ignores the command.

User response
Correct the command.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5523 E  COMMAND NOT EXECUTED. FILE DFHCSD MUST BE DEFINED IN THE SIT AND NOT THE CSD.

Explanation
DFHCSD has been defined in the CSD rather than in the SIT. This is not allowed.

System action
The utility ignores the command.
User response
Correct the command. Define DFHCSD in the SIT.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5524 W  BMS ROUTE FOR CONSOLE MAY CAUSE UNPREDICTABLE RESULTS IF MAPS OR TEXT(ACCUM) USED ON DEVICE.

Explanation
The routing of multiline maps or accumulated text to the console is not supported.

System action
Normal processing continues.

User response
Ensure that the unsupported console operations are disabled.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5525 W  xxxxxxxx VALUE IS NOT VALID, yyyyyyy HAS BEEN ASSUMED

Explanation
The value xxxxxxxx is not valid. The value yyyyyyy has been assumed.

System action
The utility ignores the command.

User response
Correct the command.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5526 E  xxxxxxxx MUST HAVE ROWS AND COLUMNS SPECIFIED

Explanation
xxxxxxx must have rows and columns specified.

System action
The utility ignores the command.

User response
Correct the command.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5527 E  REMOTE OPTIONS ARE IGNORED FOR PROGRAMS STARTING WITH DFH.

Explanation
CICS supplies standard programs which are not allowed to have remote attributes.

System action
The command is ignored.

User response
Correct the command by deleting the remote attributes from the program definition.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5528 E  COMMAND NOT EXECUTED. VALUE OF keyword IS OUT OF VALID RANGE.

Explanation
An invalid value has been supplied for the specified keyword.

System action
The utility ignores the command.
**User response**
Supply a valid keyword value and retry.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

DFH5529 E  
**keyword** OR **keyword** MUST BE SPECIFIED.

**Explanation**
Neither of the indicated keywords has been specified. When defining a resource, you must specify one of these keywords.

**System action**
The utility ignores the command.

**User response**
Supply one of the indicated keywords and retry.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

DFH5530 W  
XTRANIDS ENDING WITH **string** ARE RESERVED AND MAY BE REDEFINED BY CICS.

**Explanation**
CICS supplies programs and transactions whose names you should usually avoid.

**System action**
The utility ignores the command.

**User response**
Check that the resulting resource definition is as you expect.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

DFH5531 E  
XTRANIDS BEGINNING WITH **string** ARE RESERVED AND MAY BE REDEFINED BY CICS.

**Explanation**
CICS supplies programs and transactions whose names you should usually avoid.

**System action**
The utility ignores the command.

**User response**
Supply one of the indicated keywords and retry.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

DFH5532 E  
COMMAND NOT EXECUTED. AN INVALID COMBINATION OF ROWS AND COLUMNS HAS BEEN SPECIFIED FOR ALTScreen.

**Explanation**
One of the specified values is zero and the other is non-zero. This is an invalid combination.

**System action**
The utility ignores the command.

**User response**
Check that the resulting resource definition is as you expect.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

DFH5533 W  
**keyword1** VALUE IS LESS THAN **keyword2** VALUE. THE DEFAULT VALUE HAS BEEN ASSUMED.
Explanation
A value has been specified for keyword1 that is incompatible with the value for keyword2.

System action
DFHCSDUP assumes the default value for keyword1 and processes the command.

User response
Ensure that the resulting resource definition is acceptable.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5534 W WHEN YOU CHANGE THE VALUE OF DEVICE MANY OTHER VALUES MAY BE CHANGED FOR YOU.

Explanation
When ALTERing the DEVICE in a TYPETERM resource definition, the batch update utility changes forced values that are incompatible with the new DEVICE. However, dependent default values are not changed, and may now be incompatible.

System action
Normal utility processing continues.

User response
Check that the resulting resource definition is as you expect. See the Defining resources for more guidance.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5536 W keyword1 AND keyword2 ATTRIBUTES ARE INCONSISTENT IF DEFINITION IS BEING SHARED WITH A BACK LEVEL RELEASE.

Explanation
keyword1 has been preceded by keyword2. However, keyword1 has been kept for compatibility reasons. After updating the definition, the value specified for keyword1 has become inconsistent with the value specified for keyword2.

System action
The definition is created or updated.

User response
If sharing the CSD file with a back level release, ensure that the resulting resource definition is acceptable. Otherwise, ignore the message.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5537 W PREFIX ALLOWED TO DEFAULT. USE OF DEFAULTS IS RECOMMENDED FOR MRO SESSIONS ONLY.

Explanation
A null value has been accepted for a send or receive prefix for an LU6.1 or MRO session. The default value ‘>’ is supplied by CICS for send sessions and ‘<’ for receive sessions. These values are the default prefixes for MRO session names. The use of these prefixes is allowed for LU6.1 sessions, but is not recommended if MRO session names with the same prefixes are in use.
because duplicate names may occur if large numbers of sessions are defined.

**System action**
CICS will generate session names using these prefixes.

**User response**
If this is an LU6.1 session it is recommended that a different prefix should be chosen.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

**DFH5538 W** resource NAMES STARTING WITH x MAY CONFLICT WITH SYSTEM SESSIONS NAMES.

**Explanation**
The resource `resource` has been given a name starting with the character `x` which might be used for system generated SESSIONS names.

**System action**
The definition is created or updated.

**User response**
Ensure there is no conflict with the name given to the resource and SESSIONS names.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

**DFH5539 S** keyword IS NOT VALID BECAUSE IT STARTS WITH THE RESERVED CHARACTER OR STRING string.

**Explanation**
The name you have given to keyword `keyword` is not valid because the name begins with a reserved character or string such as "c" or "dfh".

**System action**
The definition is not created.

**User response**
Change the name of the keyword.

**Module:** DFHCSDUP

**DFH5540 W** xxxxxxxx VALUE IS GREATER THAN yyyyyyy VALUE. THE LOWER VALUE TAKES PRECEDENCE.

**Explanation**
A value has been specified that is not consistent with another. The value `xxxxxxx` is greater than value `yyyyyy`. Value `yyyyyy` takes precedence and overrides the higher value.

**System action**
The definition is created or updated with the two values as specified.

**User response**
Ensure that the two values are defined as you expect. You may decide to leave the values as specified and dynamically change the values online once the resource has been installed in the CICS system.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

**DFH5541 E** PROGRAM OR REMOTESYSTEM MUST BE SPECIFIED.

**Explanation**
None of the indicated keywords has been specified. When defining a transaction, you must specify one of these keywords.

**System action**
The utility ignores the command.

**User response**
Supply one of the indicated keywords and retry.

**Module:** DFHCSDUP
**Destination**

SYSPRINT

**DFH5544 E**  COMMAND NOT EXECUTED.

*xxxxxxx* MUST BE SPECIFIED AS *yyyyyy* BECAUSE A PREVIOUS VALUE IS GENERIC.

**Explanation**

The options, *xxxxxxx*, must be specified as *yyyyyy* because as previous option value was specified as generic.

**System action**

The utility ignores the command.

**User response**

Correct the command.

**Module:**

DFHCSDUP

**Destination**

SYSPRINT

**DFH5545 W**  PROGRAM SHOULD BE SPECIFIED WITH BREXIT.

**Explanation**

If the BREXIT option is specified, the PROGRAM option should also be specified. For compatibility with the Bridge transaction definitions in CTS 1.2, this is not mandatory, but if PROGRAM is not specified the transaction definition will not work.

**System action**

The transaction definition is accepted.

**User response**

Correct the command when migration from CTS 1.2 has been made.

**Module:**

DFHCSDUP

**Destination**

SYSPRINT

**DFH5546 E**  COMMAND NOT EXECUTED.

*xxxxxxx* IS NOT VALID AS A TYPE *yyyyyy* PARAMETER.

**Explanation**

The options specified conflict. If TYPE EJB is specified, the respective ejb-type options must be specified. The ejb-type attributes are BEANNAME and INTFACETYPE. Likewise, for TYPE CORBA, the corba-type attributes must be specified. These are MODULE and INTERFACE. For TYPE GENERIC, either attributes may be specified but they should be generic.

**System action**

The utility ignores the command.

**User response**

Correct the command.

**Module:**

DFHCSDUP

**Destination**

SYSPRINT

**DFH5547 E**  COMMAND NOT EXECUTED.

*xxxxxxx* VALUE *yyyyyy* IS INVALID.

**Explanation**

A value *yyyyyyyy* has been specified for keyword *xxxxxxx* which is not valid. It may for instance be non-numeric.

**System action**

The utility ignores the command.

**User response**

Correct the command.

**Module:**

DFHCSDUP

**Destination**

SYSPRINT

**DFH5548 E**  COMMAND NOT EXECUTED.

*xxxxxxx* OPTION IS INVALID FOR A BACK LEVEL REQUESTMODEL.

**Explanation**

The options specified conflict. If CORBASERVER name is blank and the respective previous level attributes (OMGMODULE, OMGOPERATION, and
OMGINTERFACE) are specified, the use of BEANNAME, MODULE, INTERFACE and OPERATION is not allowed. It is not possible to give a back level requestmodel definition new attributes. The old requestmodel must be discarded and redefined with the new attributes if it is required to be used on this level of CICS.

**System action**
The utility ignores the command.

**User response**
Correct the command. If this requestmodel is being maintained for a back level CICS system, specify only the attributes OMGMODULE, OMGOPERATION, OMGINTERFACE and TRANSID. However, to use an old requestmodel on this level of CICS, it must be discarded and redefined with the new attributes.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

**Explaination**
The values specified for the two attributes must not be the same.

**System action**
The utility ignores the command.

**User response**
Correct the command.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

**Explanation**
keyword1 has been specified with a generic name containing wildcard characters (asterisks or plus signs). But this is only permitted when keyword2 is also specified as a generic name.

**System action**
The utility ignores the command.

**User response**
If it is required that keyword1 must be generic, ensure that keyword2 is also specified with a generic name.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

**Explanation**
The CIPHER attribute has been specified with an invalid value, value, which is not in the valid set of cipher values as indicated by list.

**System action**
The utility ignores the command.
User response
Ensure that you have defined a set of CIPHER values which are correct for this CICS address space.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5553 E COMMAND NOT EXECUTED. field CANNOT START WITH A 'char'.

Explanation
The named attribute field, field, starts with an invalid character, char. This is commonly caused by the field starting with an '*' which is not allowed.

System action
The utility ignores the command.

User response
Change the named attribute field to start with a permitted character.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5554 W USE OF STATIC ATTRIBUTE field1 FORCES field2.

Explanation
The Server URIMAP attribute field, field1, is within the set that returns a static response. This has forced the setting of field2. This is commonly caused by specifying MEDIATYPE, CHARSETSET, HOSTCODEPAGE, TEMPLATENAME or HFSFILE with ANALYZER(YES) when ANALYZER(NO) is required.

System action
The utility ignores the command.

User response
None.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5555 E COMMAND NOT EXECUTED. THERE MUST BE AT LEAST ONE attribute SPECIFIED.

Explanation
At least one of the named attribute fields, attribute, must be specified for this resource.

System action
The utility ignores the command.

User response
Ensure that you have specified at least one of the required attributes.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5556 E COMMAND NOT EXECUTED. resource NAMES BEGINNING WITH 'yyy' ARE RESERVED AND CANNOT BE USED.

Explanation
CICS supplies standard programs and transactions whose names you should avoid. For this type of resource, however, you must not use reserved CICS names.

System action
The utility ignores the command.

User response
Rename the resource definition to an appropriate name.

Module: DFHCSDUP

Destination
SYSPRINT

DFH5557 E COMMAND NOT EXECUTED. 'xxxxxxx' IS A RESERVED NAME
Explanation
Certain names are reserved and not allowed to be used as resource names.

System action
The utility ignores the command.

User response
Rename the resource definition to an appropriate name.

Module: DFHCSDUP

Destination SYSPRINT

DFH5558 W A RANKING VALUE LESS THAN 10 FOR LIBRARY 'resource' MEANS IT WILL APPEAR BEFORE DFHRPL IN THE SEARCH ORDER.

Explanation
The ranking value of 10 is reserved for DFHRPL library. If you specify a ranking value less than 10 your LIBRARY resource will appear ahead of the DFHRPL in the library search order.

System action
The utility continues.

User response
Ensure that you definitely want this LIBRARY to appear before the DFHRPL in the library search order. Otherwise, define the LIBRARY resource with a RANKING value greater than 10.

Module: DFHCSDUP

Destination SYSPRINT

DFH5560 E COMMAND NOT EXECUTED. Port_attribute CONFLICTS WITH PORT NUMBER FOUND IN HOST ATTRIBUTE.

Explanation
The HOST attribute contains a port number and a different, non-zero PORT attribute has also been specified on the definition of this client URIMAP.

System action
The utility ignores the command.

User response
Use PORT in preference to adding a port to HOST or ensure that they are the same value. PORT must be used to specify a port number for an IPV6 address.

Module: DFHCSDUP

Destination SYSPRINT

DFH5563 E name IS IGNORED WHEN DEFINING MQMONITOR DFHMQINI.

Explanation
An unsupported attribute has been specified when defining MQMONITOR DFHMQINI.
System action
The utility ignores the attribute.

User response
None.

DFH56nn messages

**DFH5600 E  UNABLE TO GET STORAGE FOR MODULE DFHCICS. PRIMARY CSD HAS NOT BEEN INITIALIZED.**

Explanation
There is insufficient storage to load module DFHCICS.

System action
Processing of the INITIALIZE command is terminated.

User response
Ensure that there is sufficient storage to load the DFHCICS module.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

**DFH5601 E  UNABLE TO LOAD THE {FCT | RDT | LD} TABLE NAMED table.**

Explanation
Table table cannot be loaded.

System action
The system action depends on the type of table.

**LD**
DFHCSDUP cannot process the command. The utility attempts to:
1. Close any files previously opened internally.
2. Unload any EXTRACT exit routines that were dynamically loaded.
3. Invoke the termination exit routine, if supplied.
4. Return control to the invoker of the utility.

**FCT or RDT**
The CSD utility cannot load the table, and terminates the processing of the utility command.

**User response**
Refer to the preceding MVS message which should specify the reason for the failure.

If your FCT or TCT assembly and link-editing is successful, the FCT or RDT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

**DFH5602 E  UNABLE TO UNLOAD THE {FCT | RDT | LD} TABLE NAMED table.**

Explanation
Table table cannot be unloaded.

System action
The system action depends on the type of table.

**LD**
DFHCSDUP cannot process the command. The utility attempts to:
1. Close any files previously opened internally.
2. Unload any EXTRACT exit routines that were dynamically loaded.
3. Invoke the termination exit routine, if supplied.
4. Return control to the invoker of the utility.

**FCT or RDT**
The CSD utility cannot unload the table, and terminates the processing of the utility command.

**User response**
Refer to the preceding MVS message which should specify the reason for the failure.

If your FCT or TCT assembly and link-editing is successful, the FCT or RDT should be in the library. The
LD is in the load library of the supplied pregenerated CICS system.

**Module:**
DFHCSDUP

**Destination**
SYSPRINT

DFH5603 E UNABLE TO LOCATE THE \{FCT | RDT | LD | DCT\} TABLE NAMED \textit{table}.

**Explanation**
Table \textit{table} cannot be located.

**System action**
The system action depends on the type of table specified.

**LD**
DFHCSDUP cannot process the command. The utility attempts to:
1. Close any files previously opened internally.
2. Unload any EXTRACT exit routines that were dynamically loaded.
3. Invoke the termination exit routine, if supplied.
4. Return control to the invoker of the utility.

**Other tables**
The CSD utility cannot locate the table, and terminates the processing of the utility command.

**User response**
Determine the reason for the failure.
If your table assembly and link-editing is successful, the table should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

**Module:**
DFHCSDUP

**Destination**
SYSPRINT

DFH5604 E UNABLE TO OBTAIN STORAGE FOR THE CROSS-REFERENCE TABLE NAMED \textit{table}.

**Explanation**
DFHCSDUP was unable to obtain storage for table \textit{table}.

**System action**
DFHCSDUP cannot process the command.
If commands are being read from a SYSIN data stream, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)
If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

**User response**
Increase the region size and retry the command.

**Module:**
DFHCSDUP

**Destination**
SYSPRINT

DFH5605 E DISALLOWED CHARACTER IN GROUP OR LIST NAME \textit{object}.

**Explanation**
The call to module DFHDMP has failed to construct a valid key for the record created on the CSD file. This is because the group or list name contains an invalid character.

**System action**
A CSD record is not created for this definition. (If it is a transaction, a generated profile is not created either.)

**User response**
Use the CEDA transaction to define the resource with a valid name.

**Module:**
DFHCSDUP

**Destination**
SYSPRINT

DFH5606 S COMMAND IS NOT EXECUTED. UNABLE TO LOAD THE SERVICE MODULE \textit{progname}.

**Explanation**
The service module, \textit{progname}, cannot be loaded due to insufficient storage.
System action
Utility command execution is terminated. If commands are being read from a SYSIN data stream by the utility, then subsequent commands are checked for syntax only.

User response
Retry the utility command with an increased region size.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5607 S COMMAND IS TERMINATED. AN ERROR OCCURRED WHILE READING THE FIRST SECONDARY CSD RECORD.

Explanation
An I/O error has occurred on the secondary CSD file.

System action
The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, then subsequent commands are checked for syntax only.

User response
Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.

If the problem persists, try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where errors have occurred because they will not print and are therefore easily identifiable.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5608 S COMMAND IS TERMINATED. AN ERROR OCCURRED WHILE READING A SECONDARY CSD RECORD.

Explanation
An I/O error has occurred on the secondary CSD file.

User response
Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5609 S COMMAND IS TERMINATED. AN ERROR OCCURRED WHILE WRITING A PRIMARY CSD RECORD.

Explanation
An I/O error has occurred on the primary CSD file.

System action
The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, then subsequent commands are checked for syntax only.

User response
Retry the command, ensuring that a sufficiently large data set is specified for the output (primary) CSD file.

Module:
DFHCSDUP

Destination
SYSPRINT

DFH5611 E COMMAND NOT EXECUTED. parameter PARAMETER MUST BEGIN WITH 'DFH'.
**Explanation**
In a CSD utility MIGRATE command, the specified parameter contained an invalid table name or group name.

**System action**
The utility does not process the command.

**User response**
Resubmit the MIGRATE command with a valid table name or group name.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

**DFH5612 I** resource object IN GROUP grpname IS UNCHANGED.

**Explanation**
A resource definition existed in both source and target groups. Based on the CSD utility commands submitted, the utility has replaced the resource definition in the target group.

**System action**
Normal utility processing continues.

**User response**
None.

**Module:** DFHCSDUP

**Destination**
SYSPRINT

**DFH5613 E** UNABLE TO LOCATE THE LIBRARY MEMBER member.

**Explanation**
The member is not in the libraries named in the JCL.

**System action**
The utility terminates processing of the command that required access to library member member.

**User response**
Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.
If the problem persists, try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where errors have occurred because they will not print and are therefore easily identifiable.

**Module:**
DFHCSDUP

**Destination**
SYSPRINT

**Explanation**
An attention interrupt has been requested while DFHCSDUP is executing in a TSO environment.

**System action**
Normal utility processing continues.

Control is passed to a put-message exit if one has been specified on the extended entry linkage. Refer to the Developing system programs for CICS for more information about put-message exits.

**User response**
None.

**Module:**
DFHCSDUP

**Destination**
SYSPRINT

**Explanation**
A value of the PAGESIZE parameter outside the allowed range (4-9999) has been specified.

**System action**
The default value of 60 lines per page is taken.

**User response**
Ensure that a valid PAGESIZE value is specified in future.

**Module:**
DFHCSDUP

**Destination**
SYSPRINT

**Explanation**
The put-message exit routine has returned a disallowed return code.

**System action**
Processing of the utility command is terminated and the put-message exit is disabled.

**User response**
Investigate the put-message exit routine for the cause of the illegal return code.

**Module:**
DFHCSDUP
DFH5622 S  THE SECONDARY CSD HAS BEEN CLOSED DURING CLEAN-UP PROCESSING FOLLOWING THE INTERCEPTION OF AN ABEND.

**Explanation**
An Abend has occurred during DFHCSDUP processing. The secondary CSD has been closed during post ABEND clean up processing.

**System action**
Processing of the utility command is terminated.

**User response**
Refer to prior messages for further information regarding this problem.

**Module:**
DFHCSDUP

-------------------------------------------------------------------------------------

DFH5623 S  THE PRIMARY CSD HAS BEEN CLOSED DURING CLEAN-UP PROCESSING FOLLOWING THE INTERCEPTION OF AN ABEND.

**Explanation**
An abend has occurred during DFHCSDUP processing. The primary CSD has been closed during post ABEND clean up processing.

**System action**
Processing of the utility command is terminated.

**User response**
Refer to prior messages for further information regarding this problem.

**Module:**
DFHCSDUP

-------------------------------------------------------------------------------------

DFH5624 S  THE EXTRACT EXIT PROGRAM HAS BEEN UNLOADED DURING CLEAN-UP PROCESSING FOLLOWING THE INTERCEPTION OF AN ABEND.

**Explanation**
An abend has occurred during the processing of an EXTRACT command. The extract exit program specified on the USERPROGRAM keyword of the EXTRACT utility command has been unloaded during post-abend clean-up processing.

**System action**
The EXTRACT command is terminated.

**User response**
Refer to prior messages for further information regarding the problem.

**Module:**
DFHCSDUP

-------------------------------------------------------------------------------------

DFH5625 S  THE USER PROGRAM HAS PASSED AN INVALID DDNAME PARAMETER FOR ddname TO DFHCSDUP.

**Explanation**
The user program has supplied an alternative ddname as a parameter for either DFHCSD, SYSIN or SYSPRINT. The alternative ddname is invalid because it begins with a blank.

**System action**
The default DDNAME is used instead.

**User response**
Correct the invalid DDNAME parameter.

**Module:**
DFHCSDUP

-------------------------------------------------------------------------------------

DFH5630 W  NO IBM SUPPLIED DEFINITION FOUND FOR resourcetype resourcename.

**Explanation**
No IBM supplied definition has been found for the specified resource type and name.

**Module:**
DFHCSDUP
**Explanation**

While performing a SCAN command, the named resource type was not found in the CSD file on any of the IBM supplied groups. Note that compatibility groups are not used for the SCAN command.

**System action**

The utility continues.

**User response**

None.

**Module:**

DFHCSDUP

**Destination**

Console

DFH5631 I  

desrictypename resourcecname IN GROUP groupname1 MATCHES THE IBM SUPPLIED DEFINITION IN GROUP groupname2.

**Explanation**

While performing a SCAN command, the resource resourcetype name resourcename was found in group groupname1 and it matches the IBM supplied definition in group groupname2.

**System action**

The utility continues.

**User response**

None.

**Module:**

DFHCSDUP

**Destination**

Console

DFH5633 I  

desrictypename resourcecname FOUND IN GROUP groupname.

**Explanation**

While performing a SCAN command, the resource resourcetype name resourcename was found in group groupname. No IBM supplied definition was found to perform a compare against.

**System action**

The utility continues.

**User response**

None.

**Module:**

DFHCSDUP

**Destination**

Console

DFH5634 W  

desrictypename resourcecname NOT FOUND IN USER GROUPS.

**Explanation**

While performing a SCAN command, the resource resourcetype name resourcename was not found in any user groups.

**System action**

The utility continues.

**User response**

None.
DFH7xxx (DFHExP) command-level translator diagnostic messages

Diagnostic messages may be issued by the command-level translator (DFHEAP for assembler language, DFHECP for COBOL, DFHEDP for C, and DFHEPP for PL/I) in the course of processing programs written in assembler language, COBOL, C, or PL/I.

Assembler-language messages are inserted as macro notes (MNOTES) in the translator output file and can be seen by either printing or assembling the translator output file.

COBOL, C, and PL/I messages are delivered to SYSPRINT.

The same diagnostics are issued by the command-level interpreter, by the main terminal transaction (CEMT), and by CEDA.

A diagnostic message can have three components: a message number, a severity code, and message text. Each message is of the form DFH7nnnI c line text where

- nnn is a number,
- I is the information message identifier,
- c is the severity code
- line is the line number of the error and
- text is the text of the message.

In assembler language, COBOL, C, and PL/I, diagnostic messages can be allocated a severity code. This severity code is represented by a letter that, if present, will appear in the message immediately following the message number and preceding the message text. There are five levels of severity. Those for assembler language, C and PL/I are different from those for COBOL. The meanings of the codes and the associated return codes for the languages are as follows:

<table>
<thead>
<tr>
<th>Assembler, C or PL/I</th>
<th>Return code</th>
<th>COBOL</th>
</tr>
</thead>
<tbody>
<tr>
<td>U = Unrecoverable</td>
<td>16</td>
<td>D = Disaster</td>
</tr>
<tr>
<td>S = Severe</td>
<td>12</td>
<td>E = Error</td>
</tr>
<tr>
<td>E = Error</td>
<td>8</td>
<td>C = Conditional</td>
</tr>
<tr>
<td>W = Warning</td>
<td>4</td>
<td>W = Warning</td>
</tr>
<tr>
<td>I = Information</td>
<td>0</td>
<td>I = Information</td>
</tr>
</tbody>
</table>

The message text consists of the message itself, which may or may not include inserts. The inserts are positions within the message text where, in the actual message, specific information is given on the reasons for the diagnostic message. Not all the diagnostic messages, however, require inserts.

Messages issued by the command-level translator are usually self-explanatory, and DFH7000 is an example of this type of message.

**DFH7000 I LISTING FILE CANNOT BE OPENED**

**Explanation:**
The listing data set was not opened.

**System action:**
The command-level translator is abnormally terminated. A dump is produced if a SYSABEND or SYSUDUMP DD statement has been provided.

**User response:**
Ensure the JCL is correct, or determine what is causing the error and preventing opening.

**Module:**
DFHEAP (for assembler language), DFHECP (for COBOL), DFHEDP (for C), DFHEPP (for PL/I)

**Destination**
Console
Explanation

An error has occurred and the translator is unable to recover and resume normal processing.

System action

The translator terminates its processing in an orderly fashion, by issuing this error message and closing all files which have been successfully opened. All messages issued by the translator during this execution should have been directed to the SYSPRINT dataset.

User response

This message may contain the inserted text - NOT ENOUGH MAIN STORAGE AVAILABLE in which case the user should check that a REGION size of at least 2M (2048K) has been specified in the JCL EXEC statement for the translator job step.

Module: DFHEIM01

Destination SYSPRINT

DFH7003I U UNABLE TO OPEN xxxxxxxx FILE. xxxxxxxx TRANSLATION TERMINATED.

Explanation

The translator has detected an error after opening the INPUT, PUNCH or LISTING file.

Usually this means that either the record format or the record length of the file is not supported by the translator.

The INPUT file, defined in the Job Control stream by a SYSIN DD statement, may contain fixed or variable length records but the record length must not be greater than 100.

The PUNCH file, defined in the Job Control stream by a SYSPUNCH DD statement, must contain fixed length records and the record length must not be greater than 80.

The LISTING file, defined in the Job Control stream by a SYSPRINT DD statement, can contain either fixed length or variable length records which must have a length in the range 121 through 256.

System action

The translator terminates processing.

User response

Check the record format and length of the file which caused the error. Recreate or change the file so that it meets the requirements of the translator.

Module: DFHEIM15

Destination SYSPRINT

DFH7004I W THE EXCI OPTION HAS BEEN SPECIFIED BUT CONFLICTS WITH THE CICS OPTION, OR ANOTHER OPTION THAT IMPLIES THE CICS OPTION. THE CICS OPTION HAS BEEN IGNORED.

Explanation

The EXCI option of the translator has been specified, but it conflicts with another specified option such as the CICS option, or an option (for example, the SP option) which implies the CICS option.

The EXCI option implies that the program is to execute in a batch, non-CICS, environment, and therefore other options such as CICS and SP are in conflict.

System action

The translator ignores the CICS option. Any EXEC CICS LINK commands are interpreted as batch commands.

User response

If the program is intended to be a batch program, ensure that neither the CICS option, nor any other options which imply the CICS option, are specified to the translator.

If the program is intended to run as a CICS application, remove the EXCI option.

Module: DFHEIM08
THE EXCI OPTION HAS BEEN SPECIFIED BUT CONFLICTS WITH THE DLI OPTION. THE DLI OPTION HAS BEEN IGNORED.

Explanation
Both the EXCI and DLI translator options have been specified, but these two options are mutually exclusive.

System action
The translator ignores the DLI option.

User response
If the program is intended to be a DLI program, remove the specification of the EXCI option. Otherwise remove the DLI option.

Module:
DFHEIM08

INVALID OPTION STRING:- 'INS#1' IGNORED.

Explanation
The options specified contain either an option which is not recognised by the translator, or an option which is not valid for the language in which your program is written.

For example, in a COBOL program, the following options specification -

is invalid because the value specified for flag must be 'I', 'W', 'E' or 'S'

Also for example, the following options specification -

is invalid because the LINECOUNT option must be in the range 1 thru 255.

When an option takes an integer value it must always be less than 256.

System action
The translator ignores the option and applies the default value or values.

User response
Refer to the Developing CICS Applications for information about options specification, and amend your options specifications accordingly.

Module:
DFHEIM06 DFHEIM08

INVALID INS#1 SPECIFICATION IGNORED.

Explanation
An option which is specified with a value or values, is specified with a value which the translator cannot accept.

For example, in a COBOL program, the following options specification -

is invalid because the value associated with the LINECOUNT option must be in the range 1 thru 255.

When an option takes an integer value it must always be less than 256.

System action
The translator ignores the option and applies the default value or values.

User response
Refer to the Developing CICS Applications for information about options specification, and amend your options specifications accordingly.

Module:
DFHEIM06 DFHEIM08
Destination
SYSPRINT

DFH7012I W CONFLICTING OPTIONS SPECIFIED. xxxxxxxx ASSUMED.

Explanation
An option which is specified with a value, or values, is specified more than once, or an option is specified in both its positive and negative form, or mutually exclusive options are specified.

For example, in a COBOL program, the following options specification -

```
CBL XOPTS(CICS FLAG(I) NOVBREF QUOTE FLAG(S) VBREF APOST)
```

will generate three error messages.

FLAG(I) conflicts with FLAG(S), NOVBREF conflicts with VBREF, and QUOTE conflicts with APOST.

System action
The translator uses the last definition found for each option. In the above example therefore the options used are FLAG(S), VBREF and APOST. The translator then continues with its normal processing.

User response
Refer to the Developing CICS Applications for information about options specification, and amend your options specifications accordingly.

Module:
DFHEIM06 DFHEIM08

Destination
SYSPRINT

DFH7013I W RIGHT PARENTHESIS ASSUMED AFTER 'INS#1'.

Explanation
An option which is specified with a value, or values, is not delimited with a right parenthesis.

For example, in a COBOL program, in the following options specification

```
CBL XOPTS(CICS FLAG(I) NOVBREF QUOTE
```

the value 'I' specified for the FLAG option should be followed by a right bracket.

System action
The translator assumes that a right bracket exists following the option specification and continues processing.

User response
Refer to the Developing CICS Applications for information about options specification, and amend your options specifications accordingly.

Module:
DFHEIM06 DFHEIM08

Destination
SYSPRINT

DFH7014I W ERROR IN *PROCESS CARD. TEXT AFTER SEMI-COLON IGNORED.

Explanation
Text has been placed on a *PROCESS statement following the semi-colon which signifies the end of the statement.

This error should only occur in a program written in PLI.

System action
The translator ignores the misplaced text and continues processing. However, the misplaced text is placed in the translated program, and this will probably cause errors to be detected by the compiler.

User response
User action depends on the purpose of the misplaced text. Refer either to the Developing CICS Applications, or the relevant programming language manual.

Module:
DFHEIM07

Destination
SYSPRINT

DFH7015I W ERROR IN *ASM STATEMENT. CONTINUATION IGNORED.

Explanation
An *ASM statement contains a continuation character in column 72. The next line in the program is ignored.
by the translator. This error should only occur in a program written in Assembler.

**System action**
The translator ignores the continuation line and continues processing. However both the *ASM statement and the continuation line are placed in the translated program.

**User response**
User action depends on the purpose of the continuation. Refer either to the Developing CICS Applications or the High Level Assembler Programmer's Guide.

**Module:**
DFHEIM07

**Destination**
SYSPRINT

---

**DFH7016I W**
THE NATLANG OPTION HAS ALREADY BEEN SPECIFIED FOR THIS BATCH AND CANNOT BE ALTERED - CONFLICTING VALUE HAS BEEN IGNORED.

**Explanation**
The batch facility of the COBOL translator is in use, but an attempt has been made to change the value of the NATLANG option.

**System action**
The translator ignores the NATLANG specification and continues to use the specification for NATLANG established at the start of this batch.

**User response**
Specify the NATLANG option only once either in the PARM statement of the JCL EXEC statement or in the CBL statement preceding the first program in the batch. If programs in this batch require different NATLANG options, split this batch into two or more separate batches specifying the appropriate NATLANG value for each batch.

**Module:**
DFHEIM06

**Destination**
SYSPRINT

---

**DFH7017I W**
MESSAGES WERE ISSUED DURING OPTIONS PROCESSING - REFER TO TOP OF LISTING FOR FURTHER DETAILS.

**Explanation**
This message indicates that one or more messages have been issued by the translator during options processing.

**System action**
None.

**User response**
Refer to the options error messages which have been placed at the top of the translator listing file following the list of options selected for this translation. Take whatever action is appropriate depending on the messages found.

**Module:**
DFHEIM01

**Destination**
SYSPRINT

---

**DFH7020I S**
END OF SOURCE TEXT ENCOUNTERED IN THE MIDDLE OF A LITERAL CONSTANT.

**Explanation**
The translator has read the last line of text from the input program, but has detected that the program ends with an unfinished literal constant.

**System action**
The translator copies all text unchanged from the start of the last literal constant to the end of the program into the translated program. This would result in errors if the following compiler stage were executed.

**User response**
The cause of this error is almost certainly due to the programmer omitting to code the required delimiter at the end of a literal constant.

Locate and code the missing delimiter, and then rerun the translator.

**Module:**
DFHEIM01 DFHEIM15
**Explanation**
The translator has not located a correctly coded PROCEDURE or PROC statement at or near the beginning of a PLI program.

After checking for the existence of a *PROCESS statement at the start of the program, and allowing for the existence of one or more compiler directives such as %INCLUDE, the translator expects to locate a PROCEDURE or PROC statement. Various syntax checks are performed when the statement is located.

This message is issued if either the statement is not found, or a syntax error is found in the statement.

**System action**
The translator continues processing as normal, but it is probable that the following compile step would fail if allowed to execute.

When the main PROCEDURE statement cannot be located, the translator does not insert an EIB structure into the translated program, which would usually result in errors if the following compiler stage were executed.

**User response**
Ensure that a correctly coded PROCEDURE statement is coded near the beginning of the program. Only a *PROCESS statement (if required) and compiler directives should be coded before the first PROCEDURE statement.

**Module:** DFHEIM10

---

**Explanation**
The translator has read the last line of text from the input program, but has detected that the program ends with an unfinished comment.

**System action**
The translator copies all text unchanged from the start of the last comment to the end of the program into the translated program. This would result in errors if the following compiler stage were executed.

**User response**
The cause of this error is almost certainly due to the programmer omitting to code the required delimiter at the end of a comment. Locate and code the missing delimiter, and then rerun the translator.

**Module:** DFHEIM01 DFHEIM11 DFHEIM15

---

**Explanation**
The main PROCEDURE statement in a PLI program is not followed by a semi-colon.

**System action**
The translator inserts a semi-colon to delimit the PROCEDURE statement in the translated program, and then processing continues normally.

**User response**
Insert a semi-colon following the PROCEDURE statement to prevent the warning message being issued in a subsequent translation.

**Module:** DFHEIM10
The translator copies all text unchanged from the start of pseudo text to the end of the program into the translated program. This would result in errors if the following compiler stage were executed.

**User response**
The cause of this error is almost certainly due to the programmer omitting to code the required delimiter at the end of the pseudo text. Locate and code the missing delimiter, and then rerun the translator.

**Module:** DFHEIM01 DFHEIM15

**Destination**
SYSPRINT

DFH7025I S A PERIOD SHOULD IMMEDIATELY FOLLOW THE PROGRAM NAME ‘xxxxxxxx’. THE END OF FILE WAS ENCOUNTERED BEFORE THIS PERIOD.

**Explanation**
In an END PROGRAM statement in a COBOL program, the program name is not immediately followed by a period.

**System action**
The translator copies the END PROGRAM statement into the translated program but this would result in errors if the following compiler step were executed.

**User response**
Edit the END PROGRAM statement, removing the text between the program name and the period, and rerun the translation step.

**Module:** DFHEIMSC

**Destination**
SYSPRINT

DFH7026I W CHARACTER CONSTANT ASSUMED TERMINATED AT RIGHT MARGIN

**Explanation**
In a C or C++ program a character constant (a string delimited by single quotes) is neither delimited with a quote nor continued to the next line.

**System action**
The translator copies the character constant into the translated program assuming that the constant is correctly terminated on this line. This would probably cause compiler error messages to be issued if the compilation were allowed to proceed.

**User response**
Edit the character constant, either terminating the constant with a single quote or continuing the constant to the next line. Then rerun the translation.

**Module:** DFHEIM11

**Destination**
SYSPRINT

DFH7028I W STRING CONSTANT ASSUMED TERMINATED AT RIGHT MARGIN
Explanation
In a C or C++ program a string constant (a string delimited by double quotes) is neither delimited with a double quote nor continued to the next line.

System action
The translator copies the string constant into the translated program assuming that the constant is correctly terminated on this line. This would probably cause compiler error messages to be issued if the compilation were allowed to proceed.

User response
Edit the character constant, either terminating the constant with a double quote or continuing the constant to the next line. Then rerun the translation.

Module: DFHEIM11

Destination
SYSPRINT

DFH7029I W HEADER FILE NAME ASSUMED TERMINATED AT RIGHT MARGIN

Explanation
In a C or C++ program a ?????????????????????????????????????????????????

System action
The translator ?????????????????????????????????????????????????

User response
Edit the ?????????????????????????????????????????????????

Module: DFHEIM11

 Destination

SYSPRINT

DFH7031I W EXEC COMMAND WAS BEING CONTINUED WHEN COMMENT ENCOUNTERED. COMMENT IGNORED.

Explanation
In a COBOL program, a comment has been imbedded in an EXEC CICS statement.

System action
The translator ignores the comment and it is not copied into the translated program. However the EXEC CICS statement is processed in the normal way.

User response
Either remove the comment or move the comment so that it precedes or follows the EXEC CICS statement.

Module: DFHEIM14

Destination
SYSPRINT

DFH7032I E QUOTE ASSUMED BEFORE 'xxxxxxxx'. NON-NUMERIC LITERAL WAS BEING CONTINUED.
Explanation
In a COBOL program, a non-numeric literal is being continued but the first significant character in area B of the continuation line is not a quotation symbol.

System action
The translator inserts a suitable quotation symbol into the required position in the translated program.

User response
Edit the program by inserting an appropriate quotation symbol in the literal continuation line.

Module: DFHEIM14

Destination
SYSPRINT

DFH7033I E CONTINUATION IGNORED. A NON-NUMERIC LITERAL CAN ONLY CONTINUE AN INCOMPLETE NON-NUMERIC LITERAL.

Explanation
In a COBOL program, a non-numeric literal is being continued but the previous line does not contain an incomplete non-numeric literal.

System action
The translator removes the continuation indicator from the translated program. However it is probable that a compilation error will occur.

User response
Edit the program by coding a correct literal continuation, or removing the incorrect text.

Module: DFHEIM14

Destination
SYSPRINT

DFH7034I E CONTINUATION ASSUMED. A NON-NUMERIC LITERAL WAS BEING CONTINUED.

Explanation
In a COBOL program, a non-numeric literal is being continued but the next line is not a valid continuation.

System action
The translator inserts a continuation indicator and two quotation marks into the translated program which provides a valid continuation of the literal and then immediately ends the literal. Although this action ensures that the literal is syntactically correct, it is possible that if any text follows the literal it will not be a valid COBOL statement.

User response
Edit the program by coding an appropriate continuation character and quotation marks, or by preventing the continuation.

Module: DFHEIM14

Destination
SYSPRINT

DFH7036I W PROGRAM DOES NOT BEGIN WITH AN IDENTIFICATION DIVISION.
Explanation
A COBOL program does not contain an IDENTIFICATION DIVISION statement.

System action
This prevents the translator from inserting temporary variables and an EIB structure into the program's DATA DIVISION. However EXEC CICS commands and built-in functions such as DFHVALUE and DFHRESP will be processed as usual.

User response
If the code being translated is a copybook, the translation may in fact be successful and this warning message can be ignored.

However, if the code being translated constitutes a complete program, it will be necessary to edit the program inserting an appropriate IDENTIFICATION DIVISION statement.

Module: DFHEIM07 DFHEIM10

Destination
SYSPRINT

DFH7037I E INVALID CHARACTER IN CONTINUATION COLUMN. CONTINUATION ASSUMED.

Explanation
In a COBOL program, a non-numeric literal is being continued but an invalid continuation character has been coded in the continuation line.

System action
The translator replaces the invalid continuation indicator with a valid continuation character in the translated program.

User response
Edit the program by coding an appropriate continuation character.

Module: DFHEIM14

Destination
SYSPRINT

DFH7038I W xxxxxxxx SEQUENCE ERRORS IN SOURCE PROGRAM.

Explanation
In a COBOL program, the SEQ translator option has been specified and one or more statements are out of sequence.

System action
In the listing file, each out of sequence statement is prefixed with two asterisks. The message contains the count of out of sequence statements. Otherwise the translator processes the program in the usual way.

User response
The message can be prevented by editing the file so that statement numbers are in sequence, or by setting all sequence fields to blanks, or by specifying the translator option 'NOSEQ'.

However no action is absolutely necessary, since this message is only a warning, and does not prevent a successful translation.

Module: DFHEIMEE

Destination
SYSPRINT

DFH7039I S PROGRAM DOES NOT CONTAIN A PROCEDURE DIVISION.

Explanation
This message is issued when the translator finds an IDENTIFICATION DIVISION as the last or only COBOL statement in a program.

System action
The translation is terminated.

User response
It is necessary to edit the program inserting an appropriate PROCEDURE DIVISION and then rerun the translation step.

Module: DFHEIM10

Destination
SYSPRINT
EXEC COMMAND SHOULD BE TERMINATED BY 'END-EXEC'.

Explanation:
An assembler program does not contain an END statement.

System action:
The translator assumes that the program is in fact a copybook, and consequently does not insert invocations of the macros DFHEIRET, DFHEISTG and DFHEIEND at the end of the translated code.

User response:
Possibly no action is required in response to this message, but the user should be aware that it is may be necessary to specify the options NOPROLOG and NOEPILOG when translating a copybook.

Module:
DFHEIMSA

User response
Ensure that a SYSSTATE macro has been coded with the AMODE64=YES option or use the 31-bit variant of the command.

Module:
DFHEIMS2

AT LEAST ONE OF 'ADDRESS', 'METADATA' OR 'REFPARMS' MUST BE SPECIFIED. COMMAND NOT TRANSLATED.

Explanation
An EXEC CICS WSAEPR CREATE command has been specified without at least one of the required options listed in this message.

System action
The command is rejected and not translated.

User response
Refer to the CICS Application development reference for more information about the usage of this command, and then edit the program to insert one or more of the required options in the WSAEPR command.

Module:

User response
'EXIT' OR 'EXITALL' OR 'STOP' OR 'TASKSTART' OR 'SHUTDOWN' OR 'FORMATEDF' OR 'SPI' OR 'PURGEABLE' OPTION MUST BE SPECIFIED. COMMAND NOT TRANSLATED.

Explanation
An EXEC CICS DISABLE PROGRAM command has been specified without at least one of the required options listed in this message.

System action
The command is rejected and not translated.
User response
Refer to the CICS Application development reference for more information about the usage of this command, and then edit the program to insert one or more options in the DISABLE command.

Module:
DFHEIMS2

Destination
SYSPRINT

DFH7047I S INTO' OR 'SET' OR 'RTRANSID' OR 'RTERMD' OR 'QUEUE' OPTION MUST BE SPECIFIED. COMMAND NOT TRANSLATED.

Explanation
An EXEC CICS RETRIEVE command has been specified without at least one of the required options listed in this message.

System action
The command is rejected and not translated.

User response
Refer to the CICS Application development reference for more information on the rules for coding EXEC CICS commands. Ensure that self-defining terms used as arguments, such as numeric literals used in the example above, are enclosed in parentheses.

It is likely that an error of this nature will produce additional error messages. Check if the same command has generated more than one error message, in which case one of the other messages may give a more specific indication of what is actually wrong.

Module:
DFHEIMKW

Destination
SYSPRINT

DFH7048I E 'xxxxxxxx' IS NOT VALID AND IS IGNORED.

Explanation
In an assembler program, an EXEC CICS command contains text which cannot be processed as an option.

For example, if the following were coded -

EXEC CICS DELAY INTERVAL 500

instead of -

EXEC CICS DELAY INTERVAL(500)

this message would be generated.

System action
The command is rejected and not translated.

User response
Refer to the CICS Application development reference for more information about the usage of this command, and then edit the program to insert one or more options in the DISABLE command.

Module:
DFHEIMS2

Destination
SYSPRINT

DFH7049I W 'xxxxxxxx' IS AN OBSOLETE OPTION. 'xxxxxxxx' IS ASSUMED.

Explanation:

System action:

User response:

Module:

Destination
SYSPRINT

DFH7050I S 'xxxxxxxx' FUNCTION NOT COMPLETELY SPECIFIED. 'xxxxxxxx' MUST BE SPECIFIED. COMMAND NOT TRANSLATED.

Explanation
This CICS command requires a qualifier without which the translator is unable to determine the specific command.

For example, if the following were coded -

EXEC CICS ISSUE CONVID(MYCONV)

instead of -

EXEC CICS ISSUE PREPARE CONVID(MYCONV)

this message would be generated.
System action
The command is rejected and not translated.

User response
The message contains a list of all the possible qualifiers which may be specified in this command. Refer to the CICS Application development reference for more information about the coding of the command. Edit the command ensuring that an appropriate qualifier is specified.

Module: DFHEIMAN

Destination
SYSPRINT

DFH7051I E xxxxxxxx NAME LONGER THAN THE xxxxxxxx CHARACTERS ALLOWED.

Explanation
System action: The text is rejected and subsequently ignored, but the translator continues to process the command otherwise in the normal way.

User response
Refer to the CICS Application development reference for more information about the coding of the command. Edit the command ensuring that the incorrect text is removed or replaced with a valid option.

Module: DFHEIMKW DFHEIMS2

Destination
SYSPRINT

DFH7054I S xxxxxxxx COMMAND IS NOT SUPPORTED AND IS NOT TRANSLATED.

Explanation
A C, C++, or AMODE(64) assembler program contains a PUSH, POP, HANDLE or IGNORE command. None of these EXEC CICS commands are supported for these languages, with the exception of HANDLE ABEND with the PROGRAM option.

System action
The command is rejected and not translated.

User response
In C, C++, and AMODE(64) assembler programs, use the RESP, RESP2 and NOHANDLE options to manage condition handling.

Refer to the Developing CICS Applications for information on dealing with exceptional conditions.

Module: DFHEIMS2

Destination
SYSPRINT

DFH7055I S xxxxxxxx OPTION IS INCOMPLETE. COMMAND NOT TRANSLATED.

Explanation
An EXEC CICS command specification contains text which does not represent a valid option.

System action
The command is rejected and not translated.
User response
Refer to the Developing CICS Applications for information on dealing with exceptional conditions.

Module:
DFHEIM??

Destination
SYSPRINT

DFH7056I E  REDUNDANT SPECIFICATION FOR 'xxxxxxx' OPTION IS IGNORED.

Explanation:

System action
Since the delimiter is missing, it is difficult for the translator to establish that the command specification is complete. Consequently subsequent text in the program is treated as possible options and arguments. The translator decides that a delimiter must be missing either when it locates the next delimiter or when it finds text which cannot be a keyword, whichever happens first.

User response
Edit the program and insert the missing delimiter.

Module:
DFHEIMAN

Destination
SYSPRINT

DFH7059I S 'xxxxxxx' COMMAND IS NOT VALID AND IS NOT TRANSLATED.

Explanation

System action
An EXEC CICS command is not known to the translator.

User response
The command is rejected and not translated.
command tables are in the STEPLIB for the translate step.

**Module:** DFHEIMAN

**Destination**

SYSPRINT

**DFH7060I** INCORRECT SPECIFICATION FOR xxxxxxxx VALUE: -’xxxxxxxx’. OPTION IGNORED.

**Explanation**

An argument consists of a self-defining term which is either not of the correct datatype for that option or is outside of the range of permitted values. For example, this message would result from the following commands -

```plaintext
EXEC CICS SEND TEXT FROM(MYTEXT FREEKB ERASE;
EXEC CICS DELAY INTERVAL('TIME')
EXEC CICS START TRANSID(MYTRAN)
TIME(250000)
```

**System action**

The option with the incorrect argument is rejected, but the translator continues processing the command.

**User response**

Establish why the argument is incorrect by reference to the CICS Application development reference.

**Module:** DFHEIMKW

**Destination**

SYSPRINT

**DFH7061I** RIGHT PARENTHESIS ASSUMED BEFORE ’xxxxxxx’.

**Explanation**

A right hand bracket has been omitted either in an EXEC CICS command or when using one of the translator builtin functions DFHRESP or DFHVALUE.

**System action**

The translator makes an assumption about the correct position of the missing right hand bracket. The assumed position is likely to be the wrong position however, which in turn is likely to produce incorrect results at runtime or possibly cause a compilation error.

For example in the following statement in a PLI program -

```plaintext
EXEC CICS SEND TEXT FROM(MYTEXT FREEKB ERASE;
```

the translator assumes that the position of the missing right hand bracket is immediately before the semicolon which delimits the command. This results in the options FREEKB and ERASE becoming part of the argument of the FROM option.

In the following example -

```plaintext
STATUS = DFHVALUE(CONNECTED ;
```

the translator's assumption about the position of the missing bracket is correct, and in this case the builtin function is correctly processed.

**User response**

Establish the correct position of the missing bracket and edit the program accordingly.

**Module:** DFHEIM11 DFHEIM12

**Destination**

SYSPRINT

**DFH7062I** INCORRECT SYNTAX FOR EXEC COMMAND. COMMAND NOT TRANSLATED.

**Explanation**

An EXEC CICS command contains too many options with arguments. The number of options with arguments allowed is, for most commands, kept within the allowed maximum by the command definition.
However certain commands such as the HANDLE and IGNORE commands allow more options than the maximum allowed on each command instance.

**System action**

When the maximum number of options is reached, this number usually being 16, the remaining options specified are rejected. In other words the command together with the first 16 options specified is accepted.

**User response**

If the problem occurs on a HANDLE or IGNORE command, spread the options over two or more commands. However if a program is trying to deal with a large number of conditions, this may be accomplished more easily by using the RESP and NOHANDLE options.

**Module:**
DFHEIMS2 DFHEIMS3

**Destination**
SYSPRINT

DFH7064I W **INS#1 OPTION CONFLICTS WITH INS#2 OPTION AND IS IGNORED.**

**Explanation:**

**System action:**

**User response:**

Edit the program and insert a specification of the required missing option (usually the RESP option). Then rerun the translation step.

**Module:**
DFHEIMS2

**Destination**
SYSPRINT

DFH7065I S **USE OF xxxxxxxxx OPTION IMPLIES xxxxxxxxx OPTION MUST BE SPECIFIED.**

**Explanation:**

**System action**

The translator rejects the command.

**User response**

Refer to the Developing CICS Applications for information on dealing with exceptional conditions.

**Module:**
DFHEIM??

**Destination**
SYSPRINT

DFH7067I W **'xxxxxxx' IS NOT VALID. 'xxxxxxx' ASSUMED.**

**Explanation:**

**System action**

The translator rejects the command.

**User response**

Edit the program and insert a specification of the required missing option (usually the RESP option). Then rerun the translation step.

**Module:**
DFHEIMS2

**Destination**
SYSPRINT

DFH7066I I **BEFORE TRACING OF ANY SYSTEM CONTROL PROGRAM OCCURS THE MAIN SYSTEM TRACE FLAG MUST BE ON.**

**Explanation:**

**System action**

The command is rejected and not translated.

**User response**

Refer to the Developing CICS Applications for information on dealing with exceptional conditions.

**Module:**
DFHEIM??

**Destination**
SYSPRINT

DFH7068I W **'xxxxxxx' IS NOT VALID. 'xxxxxxx' ASSUMED.**

**Explanation:**

**System action**

The translator rejects the command.

**User response**

Edit the program and insert a specification of the required missing option (usually the RESP option). Then rerun the translation step.

**Module:**
DFHEIMS2

**Destination**
SYSPRINT

DFH7069I W **'xxxxxxx' IS NOT VALID. 'xxxxxxx' ASSUMED.**

**Explanation:**

**System action**

The translator rejects the command.

**User response**

Edit the program and insert a specification of the required missing option (usually the RESP option). Then rerun the translation step.

**Module:**
DFHEIMS2

**Destination**
SYSPRINT

DFH706A I **BEFORE TRACING OF ANY SYSTEM CONTROL PROGRAM OCCURS THE MAIN SYSTEM TRACE FLAG MUST BE ON.**

**Explanation:**

**System action**

The command is rejected and not translated.

**User response**

Refer to the Developing CICS Applications for information on dealing with exceptional conditions.
This will probably cause the translator to detect further errors, and issue additional messages.

**User response**

Edit the program and correct the spelling of the mispelled command or option. Then rerun the translation step.

**Module:** DFHEIMS2

**Destination**

SYSPRINT

DFH7068I  
**Explanation:**

**System action:**

**User response:**

**Module:**

**Destination**

SYSPRINT

DFH7069I  
**Explanation:**

**System action:**

**User response:**

**Module:**

**Destination**

SYSPRINT

DFH7070I  
**Explanation:**

**System action:**

**User response:**

**Module:**

**Destination**

SYSPRINT

DFH7071I  
**Explanation:**

**System action:**

**User response:**

**Module:**

**Explanation:**

An EXEC CICS RETRIEVE command has been specified with a LENGTH option but without either a SET or INTO option. The LENGTH option is not valid unless the SET or INTO option is also specified.

**System action**

The command is rejected and not translated.

**User response**

Refer to the CICS Application development reference for more information about the usage of this command, and then edit the command by specifying either a SET or INTO option.
**Module:** DFHEIMS2  
**Destination** SYSPRINT

**DFH7075I S** USE OF 'SYSID' OPTION IMPLIES 'KEYLENGTH', 'RBA', 'XRBA' OR 'RRN' MUST BE SPECIFIED. COMMAND NOT TRANSLATED.

**Explanation**  
When the SYSID option is specified in any of the file control commands, either RIDFLD and KEYLENGTH, or RBA, or XRBA, or RRN must also be specified. The local file control table cannot supply this information for remote files.

**System action**  
The command is rejected and not translated.

**User response**  
Refer to the Developing CICS Applications for more information about the usage of this command, and then edit the command by specifying one or more additional options.

**Module:** DFHEIMS2  
**Destination** SYSPRINT

**DFH7077I E** 'xxxxxxxx' IS NOT A VALID LANGUAGE DEFINITION TABLE.

**Explanation**  
The translator has loaded a language definition table into storage, but the table does not appear to be valid. The translator checks the address held in a certain pointer in the table, and also checks an 'eyecatcher' value. If either of these contain unexpected values, the translator considers the table to be corrupted, and issues this message.

**System action**  
The table is flagged as unusable by the translator, and it will not allow the use of any commands or builtin functions defined in this table.

**User response**  
Refer the problem to your installation's CICS systems programming personnel.

**Module:** DFHEIM06  
**Destination** SYSPRINT

**DFH7078I I** LITERAL BEGINNING xxxxxxxx CONTAINS A xxxxxxxx. A QUOTE MAY BE MISSING.

**Explanation**  
A PLI program contains a literal which has a length exceeding 40 characters and a semicolon character has been found in the literal which may indicate that a quote symbol is missing and should have been coded before the semicolon.

**System action**  
The translator cannot make any assumption about the extent of any literal because a literal may legitimately contain any characters including delimiters such as parentheses and semicolons. Therefore the translator
continues to scan the program until a quote symbol is found.

**User response**

This is only an informational message and does not necessarily indicate that the program is incorrectly coded.

**Module:**
DFHEIM11

**Destination**
SYSPRINT

**DFH7079I W**
ARGUMENT TO xxxxxxxx OPTION DOES NOT USE THE ADDRESS SPECIAL REGISTER.

**Explanation:**

**System action:**

**User response:**

**Module:**

**Destination**
SYSPRINT

**DFH7080I W**
CONTINUATION OF EXEC COMMAND IGNORED.

**Explanation:**

In an Assembler program, an EXEC CICS command is being continued to the next line, but column 1 of the continuation line contains a non-blank character.

**System action:**

The translator ignores the continuation indicator and assumes that the EXEC CICS command ends on this line. The following line is then assumed to be the start of another command or assembler statement.

**User response**

Either remove the continuation indicator, or ensure that the continuation line contains a blank character in column 1.

**Module:**
DFHEIMAN

**Destination**
SYSPRINT

---

**DFH7081I S**
RETURN CODE xxxxxxxx WHEN ATTEMPTING TO LOAD MODULE xxxxxxxx. SEE DESCRIPTION OF DOS LOAD MACRO WITH RET=YES OPERAND.

**Explanation:**

**System action:**

**User response:**

**Module:**

**Destination**
SYSPRINT

**DFH7082I W**
ARITHMETIC OPERAND NOT APPROPRIATE FOR OPERAND TO xxxxxxxx.

**Explanation:**

**System action**

The command is rejected and not translated.

**User response**

Refer to the Developing CICS Applications for information on dealing with exceptional conditions.

**Module:**
DFHEIM??

**Destination**
SYSPRINT

**DFH7085I W**
%INCLUDE DFHEIBLK STATEMENT ENCOUNTERED. THIS HAS BEEN DELETED SINCE THE EIB FIELDS HAVE ALREADY BEEN GENERATED.

**Explanation:**

A PLI program contains a %INCLUDE DFHEIBLK statement.

**System action**

The translator automatically generates an EIB structure in a PLI program. The %INCLUDE statement is ignored and not copied into the translated program.

**User response**

Remove the line containing the %INCLUDE statement.

**Module:**
DFHEIMSP

Destination
SYSPRINT

DFH7086I E RIGHT PARENTHESIS ASSUMED AT END OF COMMAND.

Explanation
In an Assembler program, a right hand bracket has been omitted in an EXEC CICS command.

System action
The translator makes an assumption about the correct position of the missing right hand bracket. The assumed position is likely to be the wrong position however, which in turn is likely to produce incorrect results at runtime or possibly cause an assembly error.

User response
Establish the correct position of the missing bracket and edit the program accordingly.

Module:
DFHEIM12

Destination
SYSPRINT

DFH7087I W SHIFT-OUT CODE NOT FOLLOWED BY GRAPHIC QUOTE.

Explanation:
System action:
User response:
Module:

Destination
SYSPRINT

DFH7088I W POSSIBLY INVALID ECGS LITERAL.

Explanation:
System action:
User response:
Module:

Destination
SYSPRINT

DFH7089I E 'LABEL' OPTION IS NOT SUPPORTED AND IS IGNORED.

Explanation
In a PLI, C, C++ or an AMODE(64) program, a HANDLE ABEND command has been specified with a LABEL option.

System action
The command is rejected by the translator.

User response
HANDLE ABEND is only supported when the PROGRAM option is defined in PLI, C, C++ and AMODE(64) programs.

Module:
DFHEIM12

Destination
SYSPRINT

DFH7090I E xxxxxxxx ALREADY DEFINED. SPEC IS DROPPED.

Explanation:
System action:
User response:
Module:

Destination
SYSPRINT

DFH7091I E xxxxxxxx INVALID UNDER CICS. SPEC IS DROPPED.

Explanation:
System action:
User response:
Module:

Destination
SYSPRINT

DFH7092I W INVALID ENTRY IN POS. xxxxxxxx, xxxxxxxx IS ASSUMED.

Explanation:
System action:
User response:
Module:

Destination
SYSPRINT

DFH7093I E INCORRECT xxxxxxxx. SPEC IS DROPPED.
Explanation:
System action:
User response:
Module:

Destination
SYSPRINT

DFH7094I E xxxxxxxx SPECIFIED FOR NON-EXISTING xxxxxxxx. SPEC IS DROPPED.
Explanation:
System action:
User response:
Module:

Destination
SYSPRINT

DFH7095I E xxxxxxxx INVALID FOR xxxxxxxx. SPEC IS DROPPED.
Explanation:
System action:
User response:
Module:

Destination
SYSPRINT

DFH7096I E xxxxxxxx INVALID IN xxxxxxxx. SPEC IS DROPPED.
Explanation:
System action:
User response:
Module:

Destination
SYSPRINT

DFH7097I E xxxxxxxx SPECIFIED WITHOUT xxxxxxxx. SPEC IS DROPPED.
Explanation:
System action:
User response:
Module:

Destination
SYSPRINT

DFH7098I E MAXIMUM NUMBER OF xxxxxxxx EXCEEDED. SPEC IS DROPPED.
Explanation:
System action:
User response:
Module:

Destination
SYSPRINT

DFH7099I W xxxxxxxx FOR FILE xxxxxxxx MISSING BUT REQUIRED.
Explanation:
System action:
User response:
Module:

Destination
SYSPRINT

DFH7100I E INVALID FUNCTION-NAME xxxxxxxx IN RQDLI COMMAND. COMMAND IS NOT TRANSLATED.
Explanation:
System action:
User response:
Module:

Destination
SYSPRINT

DFH7101I S TYPE OF APPLICATION NOT PROCESSED BY PROPER TRANSLATOR. TRANSLATION TERMINATED.
Explanation:
**SYSTEM ACTION:**
**USER RESPONSE:**
**MODULE:**

**DESTINATION**

**SYSPRINT**

**DFH7102I W** SPECIFICATION OF K-LINE FOR DB-FILE SPEC. NO PCB WILL BE GENERATED FOR THIS FILE.

**EXPLANATION:**
**SYSTEM ACTION:**
**USER RESPONSE:**
**MODULE:**

**DESTINATION**

**SYSPRINT**

**DFH7103I E** COMMAND REFERENCES NONEXISTING FILE-NAME. FILE-NAME IS IGNORED.

**EXPLANATION:**
**SYSTEM ACTION:**
**USER RESPONSE:**
**MODULE:**

**DESTINATION**

**SYSPRINT**

**DFH7104I W** INDICATOR REQUIRED IN POS. 56-57. '13' IS ASSUMED.

**EXPLANATION:**
**SYSTEM ACTION:**
**USER RESPONSE:**
**MODULE:**

**DESTINATION**

**SYSPRINT**

**DFH7105I W** ONLY ONE K-LINE SUPPORTED FOR DB-FILE SPECS.

**EXPLANATION:**
**SYSTEM ACTION:**
**USER RESPONSE:**
**MODULE:**

**DESTINATION**

**SYSPRINT**

**DFH7106I E** INVALID CONTINUATION OF AN- OR OR-LINES IN C-SPECS.

**EXPLANATION:**
**SYSTEM ACTION:**
**USER RESPONSE:**
**MODULE:**

**DESTINATION**

**SYSPRINT**

**DFH7107I E** NO AN- OR OR-LINES ALLOWED WITH xxxxxxxx COMMAND. COMMAND REPLACED BY SINGLE OP-CODE xxxxxxx.

**EXPLANATION:**
**SYSTEM ACTION:**
**USER RESPONSE:**
**MODULE:**

**DESTINATION**

**SYSPRINT**

**DFH7108I E** xxxxxxxx. SPEC IS DROPPED.

**EXPLANATION:**
**SYSTEM ACTION:**
**USER RESPONSE:**
**MODULE:**

**DESTINATION**

**SYSPRINT**

**DFH7109I E** ERROR WHEN READING SSL - END OF FILE FOUND BEFORE BOOK END.

**EXPLANATION:**
**SYSTEM ACTION:**
**USER RESPONSE:**
**MODULE:**

**DESTINATION**

**SYSPRINT**
**DFH7110I U**  
EARLY END OF FILE ENCONTERED ON xxxxxxxx. TRANSLATION TERMINATED.

Explanation:
System action:
User response:
Module:

**Destination**
SYSPRINT

**DFH7111I E**  
INCORRECT UPSI BIT SETTING. TRANSLATOR OUTPUT ROUTED TO SYSPCH.

Explanation:
System action:
User response:
Module:

**Destination**
SYSPRINT

**DFH7112I U**  
DEVICE ASSIGNED TO xxxxxxxx INVALID. TRANSLATION TERMINATED.

Explanation:
System action:
User response:
Module:

**Destination**
SYSPRINT

**DFH7113I E**  
ELIST COMMAND SPECIFIED WITHOUT ONE OR MORE SSA SPECIFICATIONS.

Explanation:
System action:
User response:
Module:

**Destination**
SYSPRINT

**DFH7114I E**  
NO AUTOMATIC GENERATION OF *ENTRY PLIST POSSIBLE.

Explanation:
System action:
User response:
Module:

**DFH7115I E**  
SINGLE OP-CODE xxxxxxxx INVALID. SPEC IS DROPPED.

Explanation:
System action:
User response:
Module:

**Destination**
SYSPRINT

**DFH7116I S**  
INCORRECT xxxxxxxx. COMMAND NOT TRANSLATED.

Explanation:
System action:
User response:
Module:

**Destination**
SYSPRINT

**DFH7200I E**  
TOO MANY ARGUMENTS FOR 'keyword'. EXCESS ARGUMENTS IGNORED.

Explanation
In an EXEC CICS command, an option has been coded with too many arguments.
Currently most options which carry an argument only allow a single argument. The text of this message allows for the possibility that an option may carry multiple arguments (or a sub-operand list).
The current meaning of this message for nearly all options which carry an argument is that more than one argument has been coded.

**System action**
The first argument is processed but the remaining argument(s) are ignored. Otherwise the command is processed in the normal way.
User response
Remove the excess arguments and repeat the translation step.

Module:
DFHEIMKW

Destination
SYSPRINT

DFH7201I S TOO FEW ARGUMENTS FOR 'keyword'. COMMAND NOT TRANSLATED.

Explanation
In an EXEC CICS command, an option has been defined with too few arguments.
Currently most options which carry an argument only allow a single argument. The text of this message allows for the possibility that an option may carry multiple arguments (or a sub-operand list), and that a minimum number of arguments must be specified. This message therefore should rarely, if ever, occur in the current implementations of CICS.

System action
The complete command is rejected.

User response
Insert the additional arguments required and repeat the translation step.

Module:
DFHEIMKW

Destination
SYSPRINT

DFH7202I S INCORRECT SYNTAX IN ARGUMENT LIST FOR 'keyword'.

Explanation:
System action:
User response:
Module:

Destination
SYSPRINT

DFH7203I U PREPROCESSOR ERROR err IN MODULE modname.

Explanation:
System action:
User response:
Module:

Destination
SYSPRINT

DFH7204I S 'keyword' KEYWORD REQUIRES option SUB-OPERAND(S). STATEMENT NOT TRANSLATED.

Explanation
In an EXEC CICS command, an option has been defined without any arguments, but requires at least one argument.
Currently most options which require an argument only allow a single argument. The text of this message allows for the possibility that an option may carry multiple arguments (or a sub-operand list).

System action
The complete command is rejected.

User response
Insert the additional argument(s) required and repeat the translation step.

Module:
DFHEIMKW, DFHEIMS2

Destination
SYSPRINT

DFH7205I U INSUFFICIENT STORAGE FOR TRANSLATOR. REASON reason.

Explanation
This message indicates that the translator has insufficient working storage with which to translate an EXEC CICS command.

System action
The command is rejected and not translated.

User response
The most likely reason for this error is that the REGION size specified in the JCL EXEC statement for this
translation is too small. Ensure a REGION size of at least 2M is specified.

If this is not the reason for the error, refer the problem to your installation's CICS systems programming facility.

**Module:**
DFHEIMAB, DFHEIMG1, DFHEIMKW, DFHEIMS2, DFHEIMGM

**Destination**
SYSPRINT

**DFH7206I E** UNABLE TO APPLY DEFAULT FOR KEYWORD 'keyword'.

**Explanation**
The translator is unable to supply a default argument in an EXEC CICS command. The message usually occurs when either the FROM option is omitted from a SEND MAP command or the INTO option is omitted from a RECEIVE MAP command.

When the argument of the MAP option is a literal, i.e. self-defining, argument, the translator is able to generate the required FROM or INTO argument from the MAP argument.

However when the MAP argument is a data reference, i.e. the name of a variable which contains the MAP name, the translator cannot default the FROM or INTO argument and issues this message.

**System action**
The option in error is ignored, but the translator continues to process the command.

**User response**
Edit the program inserting an appropriate specification of the FROM or INTO option.

**Module:**
DFHEIMS2

**Destination**
SYSPRINT

**DFH7208I U** IMPLEMENTATION RESTRICTION. STATEMENT TOO LONG.

**Explanation**
The translator has encountered a program statement which has been continued over a large number of lines in the program. The translator attempts to read the whole statement into a buffer. This buffer is of a considerable size however, and a program statement would normally have to occupy more than 400 lines before this error occurred.

**System action**
The translator terminates processing after issuing this message.

**User response**
The error may have occurred due to a syntax error such as a missing quotation mark. Check any other messages which have been issued during this translation. Correcting other errors may also correct this error.

If the program statement is syntactically correct, it will be necessary to split the statement into two or more statements in order to avoid the buffer size restriction imposed by the translator. It is possible that
the compiler for which ever language is in use will also impose a similar restriction.

**Module:** DFHEIM14

**Destination**

SYSPRINT

**DFH7209I E**

A BLANK IS ASSUMED BETWEEN 'option1' AND 'option2'.

**Explanation**

The translator has encountered an incorrect option in an EXEC CICS command, but has established that inserting a blank results in a correct option specification.

For example in the following incorrect command -

EXEC CICS SEND MAP(MYMAP) FROM(MYMAP0)
FREEKBERASE

the translator assumes a blank between 'FREEK' and 'ERASE'.

**System action**

The translator continues to process the command after insertion of the blank. It is possible however there will still be errors in the command specification.

**User response**

Review the statement specification and insert the missing blank if this is the correct action.

**Module:** DFHEIMKW

**Destination**

SYSPRINT

**DFH7211I U**

INSUFFICIENT STORAGE TO LOAD MODULE 'modname'. PLEASE RE-TRANSLATE IN LARGER PARTITION.

**Explanation:**

**System action:**

**User response:**

**Module:**

**Destination**

SYSPRINT

**DFH7212I E**

'option' CONFLICTS WITH OTHER KEYWORDS SPECIFIED ON STATEMENT.

**Explanation:**

**System action:**

**User response:**

**Module:**

**Destination**

SYSPRINT

**DFH7213I E**

SUB-OPERAND 'option' OF 'keyword' KEYWORD SHOULD BE A LITERAL.
**Explanation**

An argument must be coded as a literal and must be of an appropriate data type, depending on whether the option carries a character or arithmetic argument.

**System action**

In its current implementation, the translator should never issue this message since all arguments are allowed to be data references. There are no arguments which can only be literal, i.e. self-defining, terms.

**User response**

Refer the problem to your installation CICS systems programming facility.

**Module:** DFHEIMKW

**Destination**

SYSPRINT

**Explanation:**

SUB-OPERAND 'option' OF 'keyword' KEYWORD SHOULD BE DATATYPE ARITHMETIC.

**System action**

The argument is accepted at this point in the processing. However the argument will be subsequently rejected with message 7060.

**User response**

Code a literal of the required type, if necessary with reference to the CICS Application development reference.

**Module:** DFHEIMKW

**Destination**

SYSPRINT

**Explanation:**

FIRST SUB-OPERAND OF 'option' CANNOT BE NULL. COMMAND NOT TRANSLATED.

**System action**

An argument has been coded as a null argument. With only a few exceptions, null arguments are not excepted as a valid argument.
For example, the following statement contains null arguments which would be rejected by the translator -

```
EXEC CICS SEND TEXT FROM(      )
LENGTH()
```

**System action**
The complete command is rejected.

**User response**
Code an argument of the required type, if necessary with reference to the CICS Application development reference.

**Module:**
DFHEIMKW

**Destination**
SYSPRINT

**DFH7218I S**
SUB-OPERAND(S) OF 'option'
CANNOT BE NULL. COMMAND NOT TRANSLATED.

**Explanation**
In this EXEC CICS command, an option may be defined with a list of arguments, i.e. more than one sub-operand, but none of the items specified are allowed to be null arguments.

This message is issued when one or more arguments other than the first argument in the list are null arguments. Currently most options which carry an argument only allow a single argument. The text of this message allows for the possibility that an option may carry multiple arguments (or a sub-operand list).

Consequently, in the current implementation of CICS this message should rarely, if ever, be issued.

**System action**
The complete statement is rejected.

**User response**
Ensure that all arguments are non-null for the option given in the message text.

**Module:**
DFHEIMKW

**Destination**
SYSPRINT

**DFH7219I E**
'option1' MUST BE PRECEDED BY:
'option2' IS ASSUMED.

**Explanation**
In the EXEC DLI command syntax, there are some options defined as 'second' options. This means that when a 'second' option is coded in an EXEC DLI statement, it must be preceded by an associated 'first' option. These second options are 'PCB', PARENT', UNIQUE', 'NEXT' and 'CHECKPOINT'.

**System action**
The translator assumes the existence of the required preceding option. For example if 'PCB' is found without a preceding 'USING', the 'USING' option is assumed.

**User response**
Ensure that the required 'first' option is coded preceding the 'second' option.

**Module:**
DFHEIMKW

**Destination**
SYSPRINT

**DFH7220I E**
MULTIPLE OCCURRENCE OF 'keyword' KEYWORD IS IGNORED.

**Explanation**
In an EXEC CICS command, an option which carries an argument has been specified more than once.

**System action**
The translator processes the first instance of the option specification and ignores all additional instances.

In the following example -

```
EXEC CICS SEND TEXT FROM(TEXT1)
LENGTH(80) FROM(TEXT2)
```

the translator takes FROM(TEXT1) as the FROM specification and ignores FROM(TEXT2).

**User response**
Decide which instance of the option specification is required and delete all other instances.

**Module:**
DFHEIMKW

**Destination**
SYSPRINT
Explanation
This message may be issued following message 7119, but should only occur when either an extremely large number of options have been specified on an EXEC DLI statement, or the REGION size specified for the execution of the translator is too small.

It is expected that this message would never be issued.

System action
The translator rejects the complete command.

User response
This problem might be caused by a syntax error such as a missing quotation mark. Check through other messages issued by the translator. Solving another error in the program might also resolve this problem. Ensure that an appropriate REGION size has been specified in your JCL procedure.

Module:
DFHEIMKW

Destination
SYSPRINT

EXPLANATION RESTRICTION - TABLE TOO COMPLEX. data.

Explanation
An option has been coded with an argument in an EXEC CICS command, but the option does not carry an argument.

System action
The argument is ignored and the translator continues processing the statement.

For example, in the following statement -

```
EXEC CICS SEND MAP('HUURSLEY')
```

since map names must be seven characters in length, the character string 'HUURSLEY' is truncated to 'HUURSLE'. The translator continues processing the statement using this truncated map name.

User response
Delete the incorrect argument specification.

Module:
DFHEIMKW

Destination
SYSPRINT

A BLANK IS ASSUMED AFTER 'option'.

Explanation
System action:
User response:
Module:

Destination
SYSPRINT

SUB-OPERAND LIST FOLLOWING 'keyword' KEYWORD SHOULD NOT BE PRESENT AND IS IGNORED.

Explanation
System action:
User response:
Module:

Destination
SYSPRINT

SUB-OPERAND 'option' OF 'keyword' KEYWORD IS TOO LONG AND IS TRUNCATED.

Explanation
System action:
User response:
Module:
User response

It's probable that the truncated value is not the intended value, and will cause a runtime error.

Refer to the Developing CICS Applications to determine the correct length required for this argument. Then recode the literal with the correct length.

Module:
DFHEIMKW, DFHEIMS1

Destination

SYSPRINT

DFH7226I S  SUB-OPERAND 'option' OF 'keyword' KEYWORD SHOULD BE A DATA REFERENCE NOT AN EXPRESSION OR A CONSTANT. COMMAND NOT TRANSLATED.

Explanation

An argument has been defined as a literal, i.e. a self-defining term, but a data reference type argument is required for this option.

System action

The command is rejected and not translated.

User response

An example of this error is -

EXEC CICS SEND MAP('MYMAP ') FROM('Hello')

where the FROM option must be a data reference.

The above command should be correctly coded as -

EXEC CICS SEND MAP('MYMAP ') FROM(MYMAP0)

Module:
DFHEIMKW, DFHEIMS1, DFHEIMS2

Explanation

This error is only likely to occur in an EXEC DLI statement, when a field name is incorrectly coded in a WHERE statement.

The following example would cause this message to be issued -

WHERE(IGNORANCE = 'BLISS')

because the field name 'IGNORANCE' starts with a numeric character.

System action

The incorrect field name is accepted by the translator, although this will probably cause the compilation of the translated program to fail.

User response

Edit the field name so that it begins with an alphabetic character, and rerun the translator step.

Module:
DFHEIMS1

Explanation

A mandatory option has been omitted from an EXEC CICS command, and the translator cannot make a default specification.

System action

The command is rejected and not translated.
User response
An example of this error is -

EXEC CICS SEND TEXT ERASE

where the FROM option is omitted but is mandatory.
Code an appropriate specification of the missing option, and then execute the translation step again.

Module: DFHEIMXK

Destination
SYSPRINT

DFH7230I E  'option1' CONFLICTS WITH 'option2' AND HAS BEEN IGNORED.

Explanation
Mutually exclusive options have been specified in an EXEC CICS command.

System action
The option which appears first in the EXEC CICS command is accepted and the other option is ignored. The translator then continues normal processing of the command.

User response
An example of this error is -

EXEC CICS SEND PAGE RELEASE RETAIN

Here the translator accepts the RELEASE option but ignores the RETAIN option. Decide which of the mutually exclusive options is required in the command and then remove the conflicting option specification.

Module: DFHEIMXK

Destination
SYSPRINT

DFH7231I E  'option1' IS NOT VALID FOR option2 AND IS IGNORED.

Explanation:
System action:
User response:
Module:

Destination
SYSPRINT

DFH7233I E  'argument' IS INVALID IN THIS POSITION. KEYWORD IGNORED.

Explanation
The specification of argument is incorrect in this context.

System action
The keyword in error is ignored by the translator.
User response

Code an appropriate keyword argument in the EXEC CICS command, and then rerun the translation step.

Module:
DFHEIMG1, DFHEIMG2, DFHEIMG3, DFHEIMG4, DFHEIMG5, DFHEIMXS

Destination
SYSPRINT

DFH7234I S UNABLE TO APPLY DEFAULT FOR KEYWORD 'FROMLENGTH'.

Explanation:

System action:

User response:

Module:

Destination
SYSPRINT

DFH7235I E MORE THAN number OCCURRENCES OF option. EXCESS IGNORED.

Explanation:

The SEGMENT option has been coded more than 15 times in an EXEC DLI command.

System action

The excess instances of the SEGMENT option are rejected. The translator continues to process the command.

User response

This error might result from a missing quotation mark or some other syntactic error.

If the command is intended to contain more than 15 segments, refer to the relevant IMS manuals for further information.

Module:
DFHEIMG1

Destination
SYSPRINT

DFH7236I S UNABLE TO APPLY DEFAULT FOR KEYWORD 'LENGTH'.

Explanation:

System action:

User response:

Module:

Destination
SYSPRINT

DFH7237I S INCORRECT SYNTAX AFTER 'command option'. COMMAND NOT TRANSLATED.

Explanation

Following triggers such as 'EXEC' and 'CICS', the translator has found text which is syntactically incorrect. The translator is expecting either another 'trigger', or a command specification.

System action

The complete command is rejected and not translated.

User response

This error might be a typographical error, as in this example

```
EXEC CICS INQUIRE PROGRAM('MYPROGGY')
```

where INQUIRE has been keyed with '1' instead of 'I'.

The translator expects to find an 'identifier' in this position. An identifier must begin with an alphabetic character, and the remaining characters must be either alphabetic or numeric. The text must not be coded as a literal, i.e. enclosed in quotation marks.

Module:
DFHEIMAN

Destination
SYSPRINT

DFH7238I S 'type' COMMANDS ARE NOT ALLOWED IN PROGRAMS WRITTEN IN language. COMMAND IGNORED.

Explanation

An EXEC CICS command is not supported in the language in which this program is written.

System action

The complete command is rejected and not translated.
User response
In the current implementation of CICS, this restriction applies only to the GDS commands, which are not allowed in either COBOL or PLI programs.
The GDS commands may be coded in Assembler, C and C++ programs.

Module:
DFHEIMSA, DFHEIMSC, DFHEIMSD, DFHEIMSP

Destination
SYSPRINT

DFH7239I W
THE CSA OPTION IS NO LONGER SUPPORTED. THE CSA ADDRESS RETURNED BY CICS WILL BE INVALID AND SHOULD NOT BE USED.

Explanation
An EXEC CICS ADDRESS command specifies the CSA option.

System action
The CSA option is accepted by the translator. However when the program executes, the CSA address returned will be invalid unless the level of the CICS system executing the program is CICS/ESA 3.1.1 or an earlier version of CICS.

User response
The translator accepts the option in order to provide downward compatibility, i.e. to allow the latest level of the translator to process programs intended to execute both at the current and earlier release levels of CICS.
The user is responsible for any incorrect processing which results from the use of this option when used in CICS systems at a level later than CICS/ESA 3.1.1.

Module:
DFHEIMS2

Destination
SYSPRINT

DFH7250I S
'unit' OPTION REQUIRED BUT NOT SPECIFIED.

Explanation
An EXEC CICS command contains an 'AT', 'AFTER', 'FOR' or 'UNTIL' option, but does not contain the required specification of any of the 'HOURS', 'MINUTES' or 'SECONDS' options.

System action
The command is rejected and not translated.

User response
Refer to the Developing CICS Applications for a full description of the command syntax, and make suitable changes in the application program.

Module:
DFHEIMS2

Destination
SYSPRINT

DFH7251I E
THERE ARE MORE FIELDLNGTH OPERANDS THAN COMPARISON OPERATORS IN THE CORRESPONDING WHERE CLAUSE. EXCESS IGNORED.

Explanation
In an EXEC DLI command, a FIELDLNGTH option includes more expressions than the number of qualification statements in the preceding WHERE option.
The following statement would cause this error - EXEC DLI GU SEGMENT(PATIENT) WHERE(PATNO>PATNO1 AND NAME=PATN) FIELDLNGTH(3,4,8)

System action
The excess length or lengths are ignored.
The translator matches qualification statements and lengths reading from left to right. In the example above, the length of 8 cannot be matched and is ignored.

User response
Refer to the relevant IMS reference manual for a full description of the command syntax, and make suitable changes in the application program.

Module:
DFHEIMS1

Destination
SYSPRINT

DFH7252I E
MAXIMUM NUMBER OF BOOLEANS REACHED FOR 'option'
Explanation
In an EXEC DLI command, a WHERE option contains too many Boolean (or logical) operators, such as 'AND' and 'OR'. The translator sets a limit of 11 Boolean operators in each WHERE option, which allows 12 qualification statements to be connected.

System action
The remaining text in the WHERE option is ignored.

User response
Refer to the relevant IMS reference manual for a full description of the command syntax, and make suitable changes in the application program.

Module: DFHEIMS1

Destination
SYSPRINT

DFH7253I E MISSING QUALIFICATION STATEMENT IN 'option' OPERAND. OPERAND IGNORED.

Explanation
In an EXEC DLI command, a WHERE option contains a qualification statement which has no comparison operator.

System action
The incorrect qualification statement and the Boolean operator which follows it are ignored. In the example above, the WHERE option would be reduced to -

WHERE (DOCTOR = 'NO ')

because there is no comparison operator between 'DOCTOR' and 'SPOCK'.

User response
Insert an appropriate comparison operator in the incorrect qualification statement.

Refer to the relevant IMS reference manual for a full description of the command syntax, and make suitable changes in the application program.

Module: DFHEIMS1

Destination
SYSPRINT

DFH7254I E MISSING COMPARISON OPERATOR IN 'option' OPERAND. OPERAND IGNORED.

Explanation
In an EXEC DLI command, a WHERE option contains only a single operand and no other text.

System action
The Boolean operator at the end of the WHERE argument is ignored.

User response
Either remove the Boolean operator or code an appropriate qualification statement after the operator.

Refer to the relevant IMS reference manual for a full description of the command syntax, and make suitable changes in the application program.
The following example would cause this message to be issued -

```
WHERE (DOCTOR)
```

because the field name 'DOCTOR' is not followed by either a comparison operator or a value.

**System action**

The entire WHERE option is ignored.

**User response**

Refer to the relevant IMS reference manual for a full description of the command syntax, and make suitable changes in the application program.

**Module:**

DFHEIMS1

**Destination**

SYSPRINT

DFH7256I S  **SPECIFICATION OF 'function' IS INCOMPLETE AND IS NOT TRANSLATED.**

**Explanation**

A program statement references a translator builtin function such as DFHRESP or DFHVALUE, but the function reference is not followed by a left bracket.

**System action**

The builtin function specification cannot be translated.

**User response**

Refer to the CICS Application development reference for details of valid conditions and CVDA names.

If an EXEC CICS command contains options whose arguments can be expressed or interpreted using CVDA names, the command description specifies which CVDA names are valid for each option.

**Module:**

DFHEIM11

**Destination**

SYSPRINT

DFH7257I S  'option1' IS NOT VALID AS AN ARGUMENT TO 'option2' AND IS NOT TRANSLATED.

**Explanation**

A program statement references a translator builtin function such as DFHRESP or DFHVALUE, but the function reference is not followed by text in the form of an identifier. A valid identifier is a string of text in which the first character is alphabetic and the remaining characters are either alphabetic or numeric. The string must not be enclosed in quotes.

**System action**

The builtin function specification cannot be translated.

**User response**

This error would be caused by the following statement -

```
IF MYRESP = DFHRESP('INVREQ') ....
```
because the argument of DFHRESP is coded as a literal, and also in the following statement -

```
IF STATUS = DFHVALUE(228) ........
```

because the argument of DFHVALUE is an arithmetic value.

Refer to the CICS Application development reference for details of how to make use of the DFHRESP and DFHVALUE builtin translator functions.

**Module:**

DFHEIM11

**Destination**

SYSPRINT

```
DFH7259I S       OPERAND 'INS#1' OF KEYWORD 'INS#2' IS INVALID FOR COBOL.  
A DATA-AREA RATHER THAN A DATA-VALUE MUST BE SPECIFIED.  
COMMAND NOT TRANSLATED.
```

**Explanation**

In a COBOL program, an argument is coded as a data value but it must be coded as a data reference.

When arguments are coded as data values, i.e. literals or self-defining terms, in a COBOL program, such arguments are passed 'by content' in the 'Call' statement generated by the translator.

This error occurs when the data is of a type which cannot be passed 'by content', and is only likely to occur when the data type is pointer.

**System action**

The EXEC CICS command is rejected and not translated.

**User response**

This error would be caused by the following statement -

```
EXEC CICS FREEMAIN DATAPINTER(54560)
END-EXEC.
```

where the argument of the DATAPINTER option must be a data reference, i.e. a reference to a variable in the program, and not a data value. It's unlikely that this statement would succeed anyway, since addresses of GETMAINed storage cannot be known at compilation time.

**Module:**

DFHEIMAC

**Destination**

SYSPRINT

```
DFH7260I S       ERROR WHEN PROCESSING DECLARATIVES SECTION.  
END OF FILE FOUND BEFORE END DECLARATIVES.
```

**Explanation**

In a COBOL program, the translator has found a DECLARATIVES section but has not found a subsequent END-DECLARATIVES statement.

**System action**

Any EXEC CICS commands which follow the DECLARATIVES statement are neither recognised nor translated.

**User response**

An END-DECLARATIVES statement should be coded in an appropriate position in the program.

Note that there are restrictions on the use of declaratives when used in CICS applications written in COBOL. For details refer to the Developing CICS Applications

**Module:**

DFHEIM10

**Destination**

SYSPRINT

```
DFH7261 W       "ins#1" IS NO LONGER SUPPORTED BUT HAS BEEN TRANSLATED.
```

**Explanation**

An obsolete option has been specified in an EXEC CICS statement.

**System action**

The obsolete option has been accepted by the translator and processed in the same way as in the earlier releases of CICS which fully supported this option. However at runtime the specification of this option is ignored.
User response

The translator accepts the option in order to provide downward compatibility, i.e. to allow the latest level of the translator to process programs intended to execute both at the current and earlier release levels of CICS.

The user is responsible for any unexpected results which may occur due to the removal of execution time support for this option when used in CICS systems in which the option is obsolete.

If the translated program is not intended to execute at earlier levels of CICS, the obsolete option specification should be removed so that unnecessary warning messages are no longer issued by the translator.

Module: DFHEIMKW

Destination

SYSPRINT

DFH7262I S TRANSLATOR OPTION 'INS#1' REQUIRED BUT NOT SPECIFIED. COMMAND NOT TRANSLATED.

Explanation

An EXEC CICS command is recognised by the translator, but is not allowed unless a certain translator option is specified.

For example, the program contains an EXEC CICS INQUIRE command but the translator option 'SP' has not been specified.

System action

The EXEC CICS command is rejected and not translated.

User response

Specify the option given as part of the message. If necessary, refer to the Developing CICS Applications for information about how to specify translator options.

Module: DFHEIMSA, DFHEIMSC, DFHEIMSD, DFHEIMSP

Destination

SYSPRINT

DFH72641 W SHIFT-OUT CODE ENCOUNTERED WHILE SCANNING DOUBLE BYTE CHARACTERS. A SHIFT-IN CODE MAY BE MISSING.

Explanation

The translator is validating DBCS data in the input program, either because this is a COBOL program and the translator option DBCS is in effect, or because this is a PLI program and the GRAPHIC option is in effect.

A shift out character (with hexadecimal code X'0F') has been found in SBCS data.

System action

The incorrect data is copied into the translated program, and this would most probably cause a compiler warning or error.

User response

If the translated output is compiled, carefully check all messages in the compiler listing.

However the safest action is to establish the reason for the unexpected shift out character, change the program in an appropriate way, and rerun the translation step.

Module: DFHEIM11

Destination

SYSPRINT

DFH72631 W SHIFT-IN CODE ENCOUNTERED WHILE SCANNING SINGLE BYTE CHARACTERS.
User response

If the translated output is compiled, carefully check all messages in the compiler listing.

However the safest action is to establish the reason for the unexpected shift in character, change the program in an appropriate way, and rerun the translation step.

Module: DFHEIM11

Destination

SYSPRINT

DFH7265I E  CHARACTER AT RIGHT MARGIN IMMEDIATELY Follows A SHIFT-IN CODE. A BLANK IS ASSumed.

Explanation:

System action:

User response:

Module: DFHEIM11, DFHEIM15

Destination

SYSPRINT

DFH7266I E  A DBCS CHARACTER CANNOT BEGIN AT THE RIGHT MARGIN. A BLANK IS ASSUMED.

Explanation:

System action:

User response:

Module: DFHEIM11

Destination

SYSPRINT

DFH7267I W  END OF FILE ENCOUNTERED WHILE SCANNING DOUBLE BYTE CHARACTERS. A SHIFT-IN CODE MAY BE MISSING.

Explanation:

System action:

User response:

Refer to the relevant Programming Language Reference manual for rules regarding the coding of DBCS strings.
Module: DFHEIM14

Destination
SYSPRINT

DFH7269I S  RIGHT MARGIN ENCOUNTERED WHILE SCANNING DOUBLE BYTE CHARACTERS. A SHIFT-IN CODE IS ASSUMED.

Explanation
The translator is validating DBCS data in the input program, either because this is a COBOL program and the translator option DBCS is in effect, or because this is PLI program and the GRAPHIC option is in effect, or because this is a C or C++ program.

When this message is issued, the translator is scanning a DBCS string and has reached the right hand margin of a line, but has not found a shift in character. The compilers require each DBCS string to be contained on a single line within the program.

System action
For programs written in COBOL and PLI, the translator substitutes either the last or the penultimate character in the line with a shift in character, ensuring that an even number of characters are positioned between the shift out and shift in.

In the following examples, < represents shift out, > represents shift in and '.' represents x'42'. If a line ends with the following data characters -

```
<.A.B.C.D
```

the translator converts the string to -

```
<.A.B.C> D
```

If a line ends with following data characters -

```
.<E.F.G.
```

the translator converts the string to -

```
.<E.F.G>
```

For programs written in the C languages, the translator assumes the existence of a shift in character at the right margin, but copies the incorrect data string into the translated program.

User response
Although the translated program may be syntactically correct, the data string is probably incorrect for the application's purposes.

Examine the incorrect data and make appropriate changes to the program and rerun the translation step.

Module: DFHEIM11, DFHEIM14

Destination
SYSPRINT

DFH7270I S  FOLLOWING A SHIFT-OUT CODE AN ODD NUMBER OF BYTES WERE ENCOUNTERED BEFORE A SHIFT-IN CODE. THE SHIFT-IN CODE HAS BEEN MOVED.

Explanation
The translator is validating DBCS data in the input program, either because this is a COBOL program and the translator option DBCS is in effect, or because this is PLI program and the GRAPHIC option is in effect.

When this message is issued, the translator is scanning a DBCS string and has found an odd number of characters between the shift out and shift in characters delimiting this string.

System action
The translator moves the shift in character so that it trades places with the character immediately preceding the shift in character.

In the following example, '<' represents shift out, '>' represents shift in and '.' represents x'42'.

If a line contains the following DBCS string -

```
<.A.B.C>
```

the translator converts the string to -

```
<.A.B>.C
```

If a line contains the following DBCS string -

```
<.A.B.C>
```

in the translated program.

User response
Although the DBCS string is now syntactically correct, the data string is probably incorrect for the application's purposes.

The SBCS data following the DBCS data may also be incorrect because of the translator's action.
Examine the incorrect data and make appropriate changes to the program and rerun the translation step.

**Module:**
DFHEIM14

**Destination**
SYSPRINT

**DFH7271I E**
THE DATA FOLLOWING 'option' IS NOT CONSIDERED TO BE PART OF THE FIELD NAME AND IS IGNORED. PERHAPS THE FIELD NAME SHOULD BE ENCLOSED IN QUOTES.

**Explanation**
In an EXEC DLI statement, a field name in a WHERE clause has been mispelt or is followed by incorrect data.

The following example would cause this message to be issued -
```
WHERE(DOCTO% = 'SPOCK')
```
where a '%' has been coded instead of an alphabetic character.

**System action**
The translator discards the incorrect text and continues processing the command.

**User response**
Edit the source program to change or remove the incorrect data in or following the field name.

**Module:**
DFHEIMS1

**Destination**
SYSPRINT

**DFH7273I W**
A SHIFT-IN CODE WAS FOUND IN THE SECOND BYTE OF A DBCS CHARACTER. THE SHIFT-IN HAS BEEN ACCEPTED.

**Explanation**
The translator is validating DBCS data in a C or C++ program. When this message is issued, the translator is scanning a DBCS string and has found an odd number of characters between the shift out and shift in characters delimiting this string.

**System action**
The translator moves the data unchanged into the translated program.

**User response**
Examine the incorrect data and make appropriate changes to the program and rerun the translation step.
Module: DFHEIM14

Destination SYSPRINT

DFH7274I W  AN INVALID DBCS CHARACTER HAS BEEN FOUND - IT IS ACCEPTED.

Explanation
The translator is validating DBCS data in a C or C++ program. When this message is issued, the translator is scanning a DBCS string and has found an invalid DBCS character.

A valid DBCS character must either contain the value X'4040', or each byte must contain a value in the range X'41' thru X'FE' inclusive.

System action
The translator moves the data unchanged into the translated program.

User response
Examine the incorrect data and make appropriate changes to the program and rerun the translation step.

Module: DFHEIM11

Destination SYSPRINT

DFH7275I S  THE FIGURATIVE CONSTANT VALUE constant IS NOT COMPATIBLE WITH THE DATA TYPE 'PACKED INTEGER' WHICH IS REQUIRED FOR THE ARGUMENT OF KEYWORD keyword.

Explanation
In a COBOL program, a figurative constant has been coded as the argument for an option which takes a packed decimal data value.

However the translator only accepts the ZERO figurative constant (or the ZEROS and ZEROES equivalents) for packed decimal arguments.

System action
The translator rejects the command.

User response
Replace the figurative constant with an argument of the correct data type.

Module: DFHEIMAC

Destination SYSPRINT

DFH7276I S  THE FIGURATIVE CONSTANT VALUE constant IS NOT COMPATIBLE WITH THE DATA TYPE 'BINARY INTEGER' WHICH IS REQUIRED FOR THE ARGUMENT OF KEYWORD keyword.

Explanation
In a COBOL program, a figurative constant has been coded as the argument for an option which takes a binary data value.

However the translator only accepts the ZERO figurative constant (or the ZEROS and ZEROES equivalents) for binary arguments.

System action
The translator rejects the command.

User response
Replace the figurative constant with an argument of the correct data type.

Module: DFHEIMAC

Destination SYSPRINT

DFH7277I S  EXEC COMMAND IS LOCATED IN A CLASS-ID PROCEDURE DIVISION. THE COMMAND IS NOT TRANSLATED.

Explanation
In a COBOL program, an EXEC CICS command has been placed in the PROCEDURE DIVISION of a class.

The COBOL compiler does not allow executable code in a class. In an object-oriented COBOL program, EXEC CICS commands must be placed in the PROCEDURE DIVISION of a method.
System action
The translator rejects the command.

User response
Refer to the COBOL manuals for further guidance.

Module: DFHEIMSC

Destination
SYSPRINT

DFH7278I W EXEC COMMAND SHOULD NOT BEGIN IN AREA A. IT WAS PROCESSED AS IF FOUND IN AREA B.

Explanation
In a COBOL program, an EXEC CICS command has been placed in Area A, that is it starts before column 12.

The translator converts EXEC CICS commands into a COBOL CALL statement and one or more MOVE statements, all of which should be coded in Area B.

System action
The translator normally generates statements so that they begin in the same column as the respective EXEC CICS command. However, when this error occurs, the translator places the generated CALL and MOVE statements in Area B, that is, beginning in column 12.

User response
Put the EXEC command in Area B.

Module: DFHEIMSC

Destination
SYSPRINT

DFH7279I E A QUOTE OR AN APOSTROPHE WAS USED AS A CHARACTER STRING DELIMITER. IT WAS NOT THE DELIMITER OPTION IN EFFECT. ITS USE WAS NOT ACCEPTED.

Explanation
The character used as the character string delimiter conflicts with the delimiter option in effect and has been rejected.

System action
The command is rejected and not translated.

User response
Correct the character string delimiter and run the translation step again.

Module: DFHECMAC

Destination
SYSPRINT

DFH7280I E A MANDATORY KEYWORD HAS BEEN OMITTED FROM AN EXEC CICS INQUIRE COMMAND. THE MISSING KEYWORD IS keyword.

Explanation
A mandatory keyword has been omitted from an EXEC CICS INQUIRE command and the translator cannot select a default value.

System action
The command is rejected and not translated.

User response
Code all the mandatory keywords on the EXEC CICS INQUIRE command and run the translation step again.

Module: DFHEIMS2

Destination
SYSPRINT

DFH7281I S xxxxxxxxx COMMAND FOUND WHICH IS DISALLOWED BY A TRANSLATOR RULE. COMMAND NOT TRANSLATED.

Explanation
A command has been found which has been disallowed by a translator rule in the parmlib member DFHAPIR.
**System action**
The command is ignored and not translated.

**User response**
A command has been disallowed for use in application programs by your installations CICS system programmers. Contact them if the command should be allowed.

**Module:** DFHEIMAN

**Destination**
SYSPRINT

**Explanation**
A command has been found which has been flagged as requiring a warning message by a translator rule in the parmlib member DFHAPIR.

**System action**
The command is translated as normal.

**User response**
A command has been found which has been flagged for warning by your installations CICS system programmers. Check with them as to why this has been done. It may be necessary to remove the command from your program.

**Module:** DFHEIMAN

**Destination**
SYSPRINT

**Explanation**
A command has been found which contains a keyword which has been flagged as requiring a warning message by a translator rule in the parmlib member DFHAPIR.

**System action**
The command is translated as normal.

**User response**
A keyword has been disallowed for use in application programs by your installations CICS system programmers. Contact them if the command should be allowed.

**Module:** DFHEIMKW

**Destination**
SYSPRINT

**Explanation**
A command has been found which contains a keyword which has been flagged as requiring a warning message by a translator rule in the parmlib member DFHAPIR.

**System action**
The command is translated as normal.

**User response**
A keyword has been found which contains a keyword which has been flagged for warning by your installations CICS system programmers. Check with them as to why this has been done. It may be necessary to remove the command from your program.

**Module:** DFHEIMKW

**Destination**
SYSPRINT

**Explanation**
A command has been found which contains a keyword which has been disallowed by a translator rule in the parmlib member DFHAPIR.

**System action**
The command is ignored and not translated.

**User response**
A command has been disallowed for use in application programs by your installations CICS system programmers. Contact them if the command should be allowed.
System action
The command is ignored and not translated.

User response
A command has been disallowed for use in application programs by your installations CICS system programmers. Contact them if the command should be allowed.

Module: DFHEIMAN

Destination
SYSPRINT

DFH7287I W A COMMAND HAS BEEN FOUND WHICH CONTAINS xxxxxxxxx xxxxxxxxx WHICH IS NOT RECOMMENDED FOR USE BY A TRANSLATOR RULE.

Explanation
A command has been found which has been flagged as requiring a warning message by a translator rule in the parmlib member DFHAPIR.

System action
The command is translated as normal.

User response
A command has been found which has been flagged for warning by your installations CICS system programmers. Check with them as to why this has been done. It may be necessary to remove the command from your program.

Module: DFHEIMAN

Destination
SYSPRINT

DFH7290I TRANSULATOR WARNING MESSAGE ISSUED

Explanation: The translator has issued a warning message because a command was flagged as requiring a warning message by a translator rule in the parmlib member DFHAPIR.

System action: The translation step returns with return code 4 but the job continues.

User response: Ensure that the programming rules are being observed as specified in parmlib member DFHAPIR.

Module: DFHEIMAN DFHEIMKW

Destination
Console

DFHACnnnn messages

DFHAC2001 date time applid Transaction 'tranid' is not recognized. Check that the transaction name is correct.

Explanation
Either transaction tranid does not exist as an installed transaction definition, or it is disabled, or it contains invalid characters.

Note that destination CSMT is used for non-terminal transactions only.
**System action**
Processing continues.

**User response**
Enter a valid transaction identifier.

**Module:**
DFHACP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid

**Destination**
CSMT and Terminal End User

**DFHAC2002**

```
date time applid To use this transaction tranid you must sign on or have the right security level.
```

**Explanation**
You are signed on using the default userid but this userid does not have access to the requested transaction.

**System action**
CICS does not initialize the invoked transaction. Other processing continues and message DFHAC2002 is sent to destination CSMT.

**User response**
Sign on with an authorized userid.

**Module:**
DFHACP

**Destination**
Terminal End User

**DFHAC2003**

```
date time applid Security violation has been detected term id = termid, trans id = tranid, userid = userid.
```

**Explanation**
The operator with user ID userid has invoked a transaction tranid at terminal termid for which the operator is not authorized.

---

**System action**
CICS does not initialize the invoked transaction. Either message DFHAC2002 or DFHAC2033 is sent to the terminal operator. Other CICS processing continues.

**User response**
Refer to the userid in the preceding message, DFHXS1111 on the CSCS log, to determine the identity of the person trying to invoke transaction tranid and the reason for the attempt.

**Module:**
DFHACP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. termid
5. tranid
6. userid

**Destination**
CSMT

**DFHAC2004**

```
time applid Transaction tranid has failed with abend AKCC. Resource backout was successful.
```

**Explanation**
Transaction tranid is abnormally terminated with abend AKCC.

**System action**
The transaction (task) is purged.

**User response**
Resubmit the transaction.

**Module:**
DFHTFP

**Destination**
Terminal End User

**DFHAC2005**

```
time applid Transaction tranid has failed with abend abcode.
```

---

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Explanation
Transaction tranid has been defined with INDOUBT(WAIT) or INDOUBT(COMMIT) and has been in communication with a partner APPC system. A session failure has occurred while the session was INDOUBT during an explicit or implicit syncpoint. An immediate resync was attempted but could not be completed.

System action
The task is abnormally terminated with a transaction dump. Unless overridden, APPC resynchronization is retried when the remote system is available.

User response
For more information, see the abend code abcode. If necessary, resubmit the transaction after the cause of the abend has been removed.

Module:
DFHACP

Destination
Terminal End User

DFHAC2006 date applid Transaction tranid cannot run as CICS shutdown is in progress.

Explanation
Transaction tranid cannot be run during system quiesce.

System action
The system is in quiesce mode.

Note that destination CSMT is used for non-terminal transactions only.

User response
Re-enter the transaction when CICS is in normal execution mode, or place an entry for this transaction in the transaction list table (XLT).

Module:
DFHACP

XMEOUT parameters/Message inserts
1. date
time
applid
tranid
primary_abcode
termid

Destination
CSMT

DFHAC2007 date applid Transaction tranid cannot run as CICS shutdown is in progress.

Explanation
Transaction tranid cannot be run during system quiesce.

System action
The system is in quiesce mode.

Note that destination CSMT is used for non-terminal transactions only.

User response
Re-enter the transaction when CICS is in normal execution mode, or place an entry for this transaction in the transaction list table (XLT).

Module:
DFHACP

XMEOUT parameters/Message inserts
1. date
time
applid
tranid

Destination
Terminal End User and CSMT

DFHAC2008 date applid Transaction tranid has been disabled and cannot be used.

Explanation
Terminal tranid has been disabled.
Note that destination CSMT is used for non-terminal transactions only.

**System action**
Other processing continues.

**User response**
Notify the programmer responsible for this area that transaction `tranid` has been disabled.

**Module:**
DFHACP

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `tranid`

**Destination**
Terminal End User and CSMT

**DFHAC2009**
`date time applid` Invalid non-terminal transaction `tranid`.

**Explanation**
Transaction `tranid` has been entered. No terminal is associated with this transaction. It may be that transaction `tranid` is a disabled transaction, or is one that cannot be run during system quiesce. Alternatively, an invalid transaction identifier may have been entered.

**System action**
Other processing continues.

**User response**
Determine and correct the reason for transaction `tranid`'s invalidity.

**Module:**
DFHACP

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `tranid`

**Destination**
CSMT

**DFHAC2010**
`time applid` Transaction `tranid` is not executable on terminal `termid`.

**Explanation**
A conflict has been detected between the options specified for transaction `tranid`'s definition and those specified on terminal `termid`'s DFHTCT table entry. For example, transaction `tranid` is reserved for the use of VTAM terminals but the input came from a non-VTAM terminal.

**System action**
The input is ignored.

**User response**
If transaction `tranid` is to be entered from terminal `termid`, ensure that the installed transaction definition value of DVSUPRT is compatible with the DFHTCT entry.

**Module:**
DFHACP

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `tranid`

**Destination**
Terminal End User

**DFHAC2012**
`date time applid` Remote transaction `tranid` cannot be run on the local system.

**Explanation**
Transaction `tranid` is specified as remote. An attempt to route the transaction to a remote system failed either because there is no MRO/ISC defined in the running CICS system, or because the remote system name specified in the definition of the transaction is the same as that of the local system.

Note that destination CSMT is used for nonterminal transactions only.

**System action**
The task is abnormally terminated.

**User response**
Ensure that:
- MRO/ISC support is correctly defined
- The remote transaction definition is correct.
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid

Destination
Terminal End User and CSMT

DFHAC2014  date time applid  Transaction tranid is not executable because system sysid is not available.

Explanation
Transaction tranid is specified as remote. An attempt to route the transaction to a remote system failed because the link is out of service.

This message is also issued if the connection definition for the remote system has QUEUELIMIT and MAXQTIME specified and a queued allocate has been rejected.

Note that destination CSMT is used for non-terminal transactions only.

System action
CICS continues.

User response
Wait until the link is available.

If QUEUELIMIT and MAXQTIME are specified and this message occurs frequently then see the Intersystem Session Queue Management section in the Intercommunication Guide.

Module:
DFHACP, DFHZATA2

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. consname

Destination
CSMT and Terminal End User

DFHAC2015  date time applid  Console consname has not been defined to CICS. Input is ignored.

Explanation
The console operator at the console named consname has directed a MODIFY command to the CICS region, but no terminal definition for that console is installed in the region, and autoinstall for consoles is not enabled.

System action
The MODIFY command from the console is ignored.

User response
Notify the system programmer, who should use RDO to DEFINE and INSTALL a console definition that matches the name of the console, or enable autoinstall for consoles. The system programmer may also consider using 'pooled' consoles by defining TERMINAL definitions with a CONSNAME of DFHCONxx, or increasing the number of pooled consoles.

Module:
DFHACP, DFHZATA2

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. consname

Destination
Terminal End User and CSMT

DFHAC2016  date time applid  Transaction tranid cannot run because program programname is not available.

Explanation
Transaction tranid is not executable because the initial program for transaction tranid is not available.

Possible reasons for this are:
1. The program is missing.
2. The installed program definition is missing.
3. The program is disabled.
4. The program name in the installed transaction definition is invalid.

5. The installed transaction has been defined as remote and therefore has no program name, but the name of the remote system is the same as that of the local system.

6. The program requires a JVM to run but JVM initialization failed.

7. The autoinstall program abended while attempting to load the program.

8. The program requires a JVM server to run but the JVM server is not available.

Note that destination CSMT is used for non-terminal transactions only.

**System action**

Other processing continues.

**User response**

Determine the cause of the error using the list given in the Explanation. The response depends on the reason as follows:

1. Load the program into the CICS program library.
2. Create an installed program definition for the program.
3. Enable the program.
4. Use a valid program name in the installed transaction definition.
5. Carry out whichever of the following is appropriate:
   - Use a local version of this transaction.
   - Use the correct remote version of this transaction.
   - Logon to the correct system and retry the transaction.
6. For JVM programs check the CSMT log for further information as to why JVM initialization failed.
7. Check the job output for further information as to why the autoinstall program abended.

**Module:** DFHACP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. programname

**Destination**

Terminal End User and CSMT

DFHAC2017  date time applid Transaction tranid cannot run because terminal profile profname for the transaction is not available.

**Explanation**

Transaction tranid is not executable because the terminal profile for the transaction is not available.

This is because it has not been defined, or it has not been installed.

Note that destination CSMT is used for non-terminal transactions only.

**System action**

Other processing continues.

**User response**

Notify the system programmer or system administrator.

**Module:** DFHACP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. profname

**Destination**

Terminal End User and CSMT

DFHAC2018  date time applid An unrecognized Process Initialization Parameter (PIP) has been received in ATTACH for transaction tranid.

**Explanation**

CICS has received an LU type 6.2 attach header with invalid process initialization parameters (PIPs).

Note that destination CSMT is used for non-terminal transactions only.

**System action**

CICS rejects the attach request.
User response
Inspect the received PIP data and its associated generalized data stream (GDS) header to determine why the parameters are invalid.

Module:
DFHACP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
Terminal End User and CSMT

DFHAC2019  
\textit{date time applid} Transaction \textit{tranid} does not support unmapped conversations.

Explanation
Transaction \textit{tranid} received an attach request that required the use of the generalized data stream (GDS) to access unmapped conversations, but transaction \textit{tranid} does not support the use of the GDS interface.

System action
CICS rejects the attach request.

User response
Inspect the subsystem that sent the attach header to see if the correct transaction was requested. If the request was correct, check the CICS transaction definition.

Module:
DFHACP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
Terminal End User and CSMT

DFHAC2020  
\textit{time applid} The conversation type requested by node \textit{netname} was not recognized.

Explanation
CICS received a conversation-type field in an attach header that was not TYPE=MAPIED or TYPE=UNMAPPED.

System action
The attach request is rejected.

User response
Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified.

Module:
DFHACP

Destination
Terminal End User

DFHAC2021  
\textit{time applid} An unsupported Data Blocking Algorithm (DBA) field in the attach Function Management Header (FMH) has been received from node \textit{netname}.

Explanation
The received attach header contained a value for the reserved data blocking algorithm (DBA) field.

System action
The attach request is rejected.

User response
Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified.

Module:
DFHACP

Destination
Terminal End User

DFHAC2022  
\textit{date time applid} Transaction \textit{tranid} has initiated an incorrect sync point level request.
Explanation
The requested Synclevel does not match the synclevel negotiated in the Bind request, or Synclevel 2 was requested, but Lognames were not exchanged.
Note that destination CSMT is used for non-terminal transactions only.

System action
The attach request is rejected.

User response
Notify the system programmer. The subsystem that sent the attach header should be inspected to determine that the correct transaction was requested. If it was, the CICS transaction definition should be checked.

Module: DFHACP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CSMT and Terminal End User

DFHAC2023 date time applid A request from node netname has invalid security parameters.

Explanation
The received attach header did not match the required security parameters specified in the bind.
Note that destination CSMT is used for non-terminal transactions only.

System action
The attach request is rejected.

User response
Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified. The value of the ACC requirements in the attach header and the bind should be compared.

Module: DFHACP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname

Destination
CSMT

DFHAC2025 date applid An invalid Unit of Work Identification (UOWID) has been supplied by node netname.

Explanation
The received attach header contained an invalid unit of work ID (UOWID). Either the format was wrong, or no UOWID was received when the sync point level required it. This error may also be raised if no conversation correlator is supplied when it is needed.

System action
The attach request is rejected.
User response
Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified. The value of the UOWID/conversation correlator and the sync point level in the attach header should be compared.

Module:
DFHACP

Destination
Terminal End User

DFHAC2026 time applid An invalid Function Management Header (FMH) has been supplied by node netname.

Explanation
The length field in the attach header was invalid.

System action
The attach request is rejected.

User response
Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified.

Module:
DFHACP

Destination
Terminal End User

DFHAC2027 date time applid Transaction tranid does not support conversation restart.

Explanation
CICS will not accept LU type 6.2 attach headers with restart requested.

Note that destination CSMT is used for non-terminal transactions only.

System action
The attach request is rejected.

User response
Notify the system programmer. The subsystem that sent the attach header should be inspected to determine why restart was requested.

Module:
DFHACP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid

Destination
Terminal End User and CSMT

DFHAC2028 date time applid Transaction tranid cannot be used and has been ignored.

Explanation
The transaction code CSAC or CESC, was entered from a terminal. This is not allowed.

System action
If the transaction is CSAC, the transaction is run with no effect. If the transaction is CESC, the transaction is abnormally terminated with abend code ATOA.

User response
Ensure that these transactions are not entered from a terminal.

Module:
DFHACP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid

Destination
Terminal End User and CSMT

DFHAC2029 date time applid Transaction tranid is not executable. The system specified by the dynamic routing program is unavailable.
Explanation
Transaction \textit{tranid} is specified as remote AND dynamic. An attempt to dynamically route transaction \textit{tranid} to the remote system specified by the dynamic routing program has failed because the link is out of service.

This message is also issued if the connection definition for the remote system specified by the dynamic routing program has QUEUELIMIT and MAXQTIME specified and a queued allocate has been rejected.

Note that destination CSMT is used for non-terminal transactions only.

System action
CICS continues.

User response
Wait until the link becomes available, then try to dynamically route the transaction again.

Module:
DFHACP

XMEOUT parameters/Message inserts
1. \textit{date}
2. \textit{time}
3. \textit{applid}
4. \textit{tranid}

Destination
Terminal End User and CSMT

\textbf{DFHAC2030} \textit{date time applid} All sessions are busy. Please try again.

Explanation
Transaction \textit{tranid} is specified as remote AND dynamic. An attempt to dynamically route transaction \textit{tranid} to the remote system specified by the dynamic routing program has failed because no sessions are immediately available.

Note that destination CSMT is used for non-terminal transactions only.

System action
CICS continues.

User response
Wait until a session becomes available, then try to dynamically route the transaction again.

Module:
DFHACP

XMEOUT parameters/Message inserts
1. \textit{date}
2. \textit{time}
3. \textit{applid}

Destination
CSMT and Terminal End User

\textbf{DFHAC2031} \textit{date time applid} Automatic signon of operator of console \textit{consname} has failed.

Explanation
The console operator at the console named \textit{consname} has directed a MODIFY command to the CICS region, and the console was defined with USERID(*FIRST) or USERID(*EVERY). When CICS tried to signon the operator automatically, the signon was rejected.

System action
The MODIFY command from the console is ignored.

User response
Contact the system programmer to give the userid in use at the console (which is identified in other messages on the log), the correct access to this console using RACF (or an equivalent External Security manager).

Module:
DFHACP, DFHZATA2

XMEOUT parameters/Message inserts
1. \textit{date}
2. \textit{time}
3. \textit{applid}
4. \textit{consname}
Destination
CSML and Terminal End User

**DFHAC2032**  
*date time applid CICS autoinstall for console consname has failed.*

**Explanation**
The console operator at the console named *consname* has directed a MODIFY command to the CICS region, but no terminal definition for that console is installed in the region, and an autoinstall for it has failed.

**System action**
The MODIFY command from the console is ignored.

**User response**
Notify the system programmer, who should investigate the failure by looking for abends and messages on the log of the CICS system. For information on implementing autoinstall for MVS consoles see the Defining resources.

**Module:**
DFHACP, DFHZATA2

**XMEOUT parameters/Message inserts**
1. *date*  
2. *time*  
3. *applid*  
4. *consname*

Destination
CSML

**DFHAC2033**  
*time applid You are not authorized to use transaction tranid. Check that the transaction name is correct.*

**Explanation**
Either an operator has attempted to execute transaction *tranid* while not authorized, or another transaction attempted to start transaction *tranid*, which was not authorized for this terminal.

**System action**
Other processing continues. Message DFHAC2003 is sent to CSMT.

**User response**
Either determine why the operator was trying to execute transaction *tranid* or enter an authorized transaction identifier.

**Module:**
DFHACP

Destination
Terminal End User

**DFHAC2034**  
*time applid CICS Logic Error. An invalid error code has been passed to DFHACP. Transaction: tranid Terminal: termid.*

**Explanation**
An invalid error code has been passed to DFHACP.

**System action**
Transaction *tranid* is terminated with a transaction dump. The dump code is AACA. Message DFHAC2035 is sent to the CSMT.

**User response**
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHACP

Destination
Terminal End User

**DFHAC2035**  
*date time applid An invalid error code has been passed to DFHACP. Transaction *tranid* is terminated. Terminal *termid.*

**Explanation**
An invalid error code has been passed to DFHACP.

**System action**
Transaction *tranid* is terminated with a transaction dump. A transaction dump is taken. The dump code is AACA. Message DFHAC2034 is sent to the terminal user.

Message DFHME0116, which contains the symptom string for this problem, is produced.
User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHACP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. termid

Destination
CSMT

DFHAC2036  
\[date \ time \ \text{applid} \ \text{Transaction tranid} \]
has failed with abend AKCC. Resource backout was successful.

Explanation
Transaction tranid has abended AKCC.

System action
The transaction (task) is purged.

User response
Resubmit the transaction later.

Module:
DFHTFP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. termid

Destination
CSMT

DFHAC2037  
\[date \ time \ \text{applid} \ \text{Transaction tranid} \]
is not executable on terminal termid.

Explanation
A conflict has been detected between the options specified for transaction tranid's definition and those specified on terminal termid's DFHTCT table entry. For example, transaction tranid is reserved for the use of VTAM terminals but the input came from a non-VTAM terminal.

System action
The input is ignored.

User response
If transaction tranid is to be entered from terminal termid, ensure that the installed transaction definition value of DVSUPRT is compatible with the DFHTCT entry.

Module:
DFHACP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. termid

Destination
CSMT

DFHAC2038  
\[date \ time \ \text{applid} \ \text{The conversation type requested by node netname was not recognized.} \]

Explanation
CICS received a conversation-type field in an attach header that was not TYPE=MAPPED or TYPE=UNMAPPED.

System action
The attach request is rejected.

User response
Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the failing subsystem identified.

Module:
DFHACP
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname

**Destination**

CSMT

**DFHAC2039**

*date time applid* An unsupported Data Blocking Algorithm (DBA) field in the attach Function Management Header (FMH) has been received from node *netname*.

**Explanation**

The received attach header contained a value for the reserved data blocking algorithm (DBA) field.

**System action**

The attach request is rejected.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer. Check the validity of the attach function management header (FMH), and identify the failing subsystem. Compare the value of the synchronization level in the attach header and the bind.

**Module:**

DFHACP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname

**Destination**

CSMT

**DFHAC2040**

*date time applid* An invalid sync point level has been requested by node *netname*.

**Explanation**

The synchronization level requested in the attach header is invalid for the session being used.

**System action**

The attach request is rejected.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the failing subsystem identified. The value of the UOWID/conversation correlator and the sync point level in the attach header should be compared.

**Module:**

DFHACP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname

**Destination**

CSMT

**DFHAC2041**

*date time applid* An invalid Unit of Work Identification (UOWID) has been supplied by node *netname*.

**Explanation**

The received attach header contained an invalid unit of work ID (UOWID). Either the format was wrong, or no UOWID was received when the sync point level required it. This error may also be raised if no conversation correlator is supplied when it is needed.

**System action**

The attach request is rejected.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer. Check the validity of the attach function management header (FMH), and identify the failing subsystem. The value of the UOWID/conversation correlator and the sync point level in the attach header should be compared.

**Module:**

DFHACP
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname

Destination
CSMT

DFHAC2042 date time applid An invalid Function Management Header (FMH) has been supplied by node netname.

Explanation
The length field in the attach header was invalid.

System action
The attach request is rejected.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. Check the validity of the attach function management header (FMH), and identify the failing subsystem.

Module:
DFHACP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid

Destination
CSMT

DFHAC2043 date time applid Transaction has been rejected - CICS system is being recovered. Please wait for completion of recovery.

Explanation
A request to initiate a transaction was received while the CICS system was in the process of recovering the session following an XRF takeover or persistent sessions restart. The error is detected by DFHZSUP, which then drives DFHACP to issue this message.

Note that destination CSMT is used for non-terminal transactions only.

System action
Depending upon the recovery notification requested for this terminal, the system will send either the recovery message or initiate the recovery transaction specified on the RECOVNOTIFY option of the typeterm definition for this terminal (see the Defining resources for details).

User response
After the recovery notification has been received, the user is able to continue operations.

Module:
DFHACP

XMEOUT parameters/Message inserts

1. date
2. time

Destination
Terminal End User and CSMT

DFHAC2044 date time applid An error occurred while trying to send SYNCPOINT ROLLBACK to terminal termid.

Explanation
An attempt was made to send a SYNCPOINT ROLLBACK request. A nonzero return code was received by the sender of the request.

System action
ABORT processing is initiated for terminal termid.

User response
Notify the system programmer. Use trace to find the value of the return code from the SYNCPOINT ROLLBACK request. For IRC, the meaning of the return code can be found in the CICS Data Areas manual.

Module:
DFHZIS1
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid

Destination
CSMT

DFHAC2045  date time applid CICS autoinstall for console consname was rejected by the autoinstall control program.

Explanation
The console operator at the console named consname has directed a MODIFY command to the CICS region, but no terminal definition for that console is installed in the region, and an autoinstall for it has failed because the autoinstall program has rejected the install request.

System action
The MODIFY command from the console is ignored.

User response
Notify the system programmer, who should alter the autoinstall program to allow this console to be installed.

Module:
DFHACP, DFHZATA2

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname

Destination
CSMT and Terminal End User

DFHAC2050  time applid An invalid function management header (FMH) has been supplied by node netname.

Explanation
The access security information length field in the attach header is invalid.

System action
An exception trace entry containing the invalid FMH5 is issued. The attach request is rejected.

User response
Notify the system programmer. Check the validity of the attach function management header and identify the cause of the error.

Module:
DFHACP

Destination
Terminal End User
DFHAC2051  date time applid An invalid Function Management Header (FMH) has been supplied by node netname.

Explanation
The Access Security Information length field in the attach header was invalid.

System action
An exception trace entry containing the invalid FMH5 has been issued. The attach request is rejected. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. Check the validity of the attach function management header (FMH), and identify the failing subsystem.

Module: DFHACP

Destination
Terminal End User

DFHAC2053  date time applid While performing an attach for node netname a security violation was detected.

Explanation
A password was required in the attach FMH5, but was missing. A user ID was found, however, because the attach did not specify already verified (AV) or persistent signed-on (PV1), a password should have been present.

System action
An exception trace entry is issued tracing the invalid FMH5. The attach request is rejected. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. Inspect the subsystem that sent the attach header to determine why the password was not sent.

Module: DFHACP

Destination
Terminal End User

DFHAC2052  time applid While performing an attach for node netname a security violation was detected.

Explanation
A password was required in the attach FMH5, but was missing. A user ID was found, however, because the attach did not specify already verified (AV) or persistent signed-on (PV1), a password should have been present.

System action
An exception trace entry is issued tracing the invalid FMH5. The attach request is rejected.

User response
Notify the system programmer. Inspect the subsystem that sent the attach header to determine why the password was not sent.

Module: DFHACP

Destination
Terminal End User

DFHAC2054  time applid You are not authorized to access this system.
Explanation

The attach header that was sent to the remote system did not match the required security parameters specified in the bind.

System action

The attach request is rejected by the remote system and the session is unbound. The remote system issues messages DFHAC2055 on CSMT and DFHZC4946 on CSNE.

User response

Inform the system programmer. Investigate the reason why the attach request failed. See messages DFHAC2055 on CSMT and DFHZC4946 on CSNE issued by the remote system for more diagnostic information.

Module:

DFHACP

Destination

Terminal End User

DFHAC2055  date  time  applid  An attach request from node netname has sent BIND/FMH5 security data that is invalid.

Explanation

A request to attach a task has been received across an APPC link. However, there is an error in the FMH attach parameters. An attach parameter is present that is not authorized by the bind security indicators.

System action

The attach request is rejected and the session is unbound. An exception trace point (number 1737) for component TF is issued, tracing the invalid attach header (FMH type 5). Message DFHZC4946 on CSNE contains sense information to help identify the reason for the failure. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Investigate the cause of the error which is in the remote system. Use the FMH5 in the exception trace, to determine why the remote system sent an invalid attach request.

Module:

DFHACP

Destination

Terminal End User

DFHAC2055  date  time  applid  While performing an attach for node netname a security violation was detected.

Explanation

A request to attach a task has been received across an APPC link. However, the FMH attach parameters do not conform to the APPC protocol.

System action

The attach request is rejected and the session is unbound. An exception trace point (number 1737) for component TF is issued tracing the invalid attach header (FMH type 5). Message DFHZC4947 is issued.

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Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Investigate the cause of the error which is in the remote system. Use the FMH5 in the exception trace to determine why the remote system sent an invalid attach request. See message DFHZC4947 on CSNE which contains sense information to help identify the reason for the failure.

If the remote system has an earlier release of CICS or CICS on another platform then you may need to set USEDFLTUSER. See Attach Time Security and the USEDFLTUSER option in the CICS Security.

**Module:**
DFHACP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname

**Destination**
CSMT

**Explanation**
The Activity Keypoint Task CSKP attempted to run but was unable to do so because program DFHRMXN3 could not be loaded.

Possible reasons for this are:
1. The library containing DFHRMXN3 is missing from DFHRPL.
2. DFHRMXN3 is missing from a library in the DFHRPL.

**System action**
CICS writes an exception trace entry, takes a system dump and writes message DFHAC2058 to the console and CSMT. CICS will continue processing but system log management will be severely compromised.

**User response**
It is strongly recommended CICS is shut down. Investigate why DFHRMXN3 could not be loaded and restart CICS when the problem is resolved.

**Module:**
DFHACP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid

**Destination**
CSMT and Console

**Explanation**
An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The coordinator of the syncpoint is not this CICS system but is remote.

Transaction tranid has lost contact with its coordinator system during syncpoint processing and has abended with code ASP1. The unit of work is shunted until contact is restored. condfmsg

In accordance with the transaction definition (WAIT YES), the unit of work is not completed but is allowed to wait for resynchronization with the coordinator system. The transaction is abnormally terminated with abend code ASP1. The unit of work is shunted to await the return of the coordinator system.

If possible, a conditional message condfmsg from the linked system is appended to this message.

**System action**
Message DFHAC2231 is sent to the main terminal operator (destination CSMT). Normal abend processing continues.

**User response**
None. Any updates performed by the unit of work are resolved automatically when resynchronization with the coordinator takes place.
Alternatively, the user may force resolution of the updates independently of the coordinator system by making a CEMT request to commit or to back out the unit of work.

**Module:** DFHTFP

**Destination**
Terminal End User

**DFHAC2202**

*time applid* Transaction *tranid* has lost contact with its coordinator system during syncpoint processing and has abended with code ASPO. All updates will be unilaterally committed. *condmsg*

**Explanation**
Transaction *tranid* has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'. The transaction is abnormally terminated with abend code ASPO.

In accordance with the transaction definition (WAIT NO and ACTION COMMIT), all recoverable updates performed by the unit of work are unilaterally committed. Note that integrity of updates may be lost because the coordinator system may either commit or back out its changes.

If possible, a conditional message *condmsg* from the linked system is appended to this message.

**System action**
Message DFHAC2232 is sent to the main terminal operator (destination CSMT). Normal abend processing continues.

**User response**
None. In accordance with the transaction definition, all updates are unilaterally committed.

**Module:** DFHTFP

**Destination**
Terminal End User

**DFHAC2203**

*time applid* Transaction *tranid* has lost contact with its coordinator system during syncpoint processing and has abended with code ASPP. All updates will be unilaterally backed out. *condmsg*

**Explanation**
Transaction *tranid* has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'. The transaction is abnormally terminated with abend code ASPP.

In accordance with the transaction definition (WAIT NO and ACTION BACKOUT), all recoverable updates performed by the unit of work are unilaterally backed out. Note that integrity of updates may be lost because the coordinator system may either commit or back out its changes.

If possible, a conditional message *condmsg* from the linked system is appended to this message.

**System action**
Message DFHAC2233 is sent to the main terminal operator (destination CSMT). Normal abend processing continues.

**User response**
None. In accordance with the transaction definition, all updates are unilaterally backed out.

**Module:** DFHTFP

**Destination**
Terminal End User

**DFHAC2204**

*time applid* A commit failure has occurred during syncpoint processing for transaction *tranid*. *condmsg*

**Explanation**
An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources local to this CICS system, for example files, temporary storage, transient data, have been updated. A commit failure occurred during phase 2 of the syncpoint protocol for a local resource owner.

If possible, a conditional message *condmsg* from the linked system is appended to this message.

**System action**
Message DFHAC2234 is sent to the main terminal operator (destination CSMT). For an EXEC CICS
SYNCPOINT, processing completes normally and processing continues with the next unit of work. For EXEC CICS RETURN, the transaction completes normally.

Resources affected by the commit failure remain locked and the unit of work is shunted.

User response
Refer to earlier messages output by the local resource owner to discover the cause of the commit failure.

Module: DFHTFP

Destination
Terminal End User

DFHAC2205

time applid A backout failure has occurred during syncpoint processing for transaction tranid. condmsg

Explanation
An attempt to backout a unit of work has suffered a backout failure. For the local resource owner(s) that suffered the backout failure, the resources updated by the unit of work remain locked. All other resources are backed out.

If possible, a conditional message condmsg from the linked system is appended to this message.

System action
Message DFHAC2235 is sent to the main terminal operator (destination CSMT). Normal abend processing continues.

User response
Refer to earlier messages output by the local resource owner to discover the cause of the backout failure.

Module: DFHTFP

Destination
Terminal End User

DFHAC2215
time applid A CICS-generated syncpoint request has failed because a connected system has requested that the UOW be rolled back. Transaction tranid has been abnormally terminated with code ASPF. condmsg

Explanation
Transaction tranid is abnormally terminated with abend code abcode. Any changes to recoverable resources in the local system that have been performed by the current unit of work are backed out.

abcode is either a CICS transaction abend code or a user abend code generated by a CICS ABEND ABCODE(abcode) command. This command is issued either by a user program or by an IBM program (for example, a programming language library module).

If possible, a conditional message condmsg from the remote system will be appended to this message.

When this message is issued in the terminal owning region because a remote transaction has failed, there may be no recoverable resources to be backed out in the local system. In this case, the conditional message tells you whether or not resources in the remote system have been backed out.

System action
Message DFHAC2236 is sent to the main terminal operator (destination CSMT). Normal abend processing continues.

User response
Use the abend code, abcode, to diagnose the problem. In a transaction routing environment, the original cause of the failure is usually indicated in the conditional message. If the abend is issued by an IBM program product other than CICS, the code is documented in the library of that other product.

Resubmit the transaction after the cause of the original abend has been removed.

Module: DFHTFP

Destination
Terminal End User
**Explanation**

CICS has been unable to comply with an internally generated syncpoint request because a connected system has notified it that the unit of work must be rolled back. (This may also occur as a result of a session failure or a protocol error).

Transaction `tranid` is abnormally terminated with abend code ASPF. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

If possible, a conditional message `condmsg` from the linked system is appended to this message.

**System action**

Message DFHAC2245 is sent to the main terminal operator (destination CSMT). Normal abend processing continues.

**User response**

Determine why the connected system sent the indication to roll back the unit of work.

Resubmit the transaction after the cause of the indication to roll back has been removed.

**Module:**
DFHTFP

**Destination**

Terminal End User

**DFHAC2216** `time applid` Transaction `tranid` has requested rollback, but was using a type of processing for which rollback is not supported. The transaction has been abnormally terminated with code ASP8.

**message**

**Explanation**

An application requested syncpoint rollback, but was using a type of processing that does not support rollback, for example LU6.1.

Transaction `tranid` is abnormally terminated with abend code ASP8. Any changes to recoverable resources that have been performed by the current unit of work will be backed out.

If possible, a conditional message `condmsg` from the linked system will be appended to this message.

**System action**

Message DFHAC2247 is sent to the main terminal operator (destination CSMT). Normal abend processing continues.

**User response**

Refer to the explanation of abend ASP8.

**Module:**
DFHTFP
Destination
Terminal End User

DFHAC2218  *time applid Transaction tranid has failed with abend ASP7 following the failure of a local resource owner in the prepare phase of syncpoint. Updates will be backed out. condmsg*

Explanation
An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources local to this CICS system, for example files, temporary storage, or transient data, have been updated, and so the local resource owners have been sent a syncpoint request. A local resource owner has replied 'No' to a request to 'Prepare', during the two phase syncpoint protocol.

Transaction tranid is abnormally terminated with abend code ASP7. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

If possible, a conditional message condmsg from the linked system is appended to this message.

System action
Message DFHAC2248 is sent to the main terminal operator (destination CSMT). Normal abend processing continues.

User response
Refer to the explanation of abend ASP7.

Module:
DFHTFP

Destination
Terminal End User

DFHAC2219  *time applid Transaction tranid has failed with abend ASP7 following the failure of a remote system in the prepare phase of syncpoint. Updates will be backed out. condmsg*

Explanation
An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources remote to this CICS system, for example files, temporary storage, transient data on remote CICS systems, or database managers communicating via the RMI, have been updated, and so the remote resource owners have been sent a syncpoint request. A remote resource owner has replied 'No' to a request to 'Prepare', during the two phase syncpoint protocol.

Transaction tranid is abnormally terminated with abend code ASP7. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

If possible, a conditional message condmsg from the linked system is appended to this message.

System action
Message DFHAC2249 is sent to the main terminal operator (destination CSMT). Normal abend processing continues.

User response
Refer to the explanation of abend ASP7.

Module:
DFHTFP

Destination
Terminal End User

DFHAC2220  *time applid The coordinator system has indicated that the current unit of work is to be backed out. Transaction tranid has been abnormally terminated with abend ASP3. condmsg*

Explanation
An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The coordinator of the syncpoint is not this CICS system but is remote. During the syncpoint protocol the remote coordinator has decided that the unit of work cannot be committed and must be backed out.

Transaction tranid is abnormally terminated with abend code ASP3. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

If possible, a conditional message condmsg from the linked system is appended to this message.
System action
Message DFHAC2250 is sent to the main terminal operator (destination CSMT). Normal abend processing continues.

User response
Refer to the remote coordinator system to discover the reason why the unit of work was backed out.

Module: DFHTFP

Destination
Terminal End User

DFHAC2221  
\textbf{time applid Transaction tranid} has failed with abend ASPQ. Syncpoint commit processing has failed while communicating with a remote system. \textit{condmsg}

Explanation
An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The coordinator of the syncpoint is not this CICS system but is remote.

Transaction \textit{tranid} has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'. However, no recoverable resources have been updated by this system, so there is no data integrity problem.

Transaction \textit{tranid} is abnormally terminated with abend code ASPR. If possible, a conditional message \textit{condmsg} from the linked system is appended to this message.

System action
Message DFHAC2252 is sent to the main terminal operator (destination CSMT). Normal abend processing continues.

User response
Refer to messages on the remote system to determine if the remote resources were backed out or committed.

Module: DFHTFP

Destination
Terminal End User

DFHAC2223  
\textbf{time applid Transaction tranid} has failed with abend ASP2 due to the links to the remote systems being in an invalid state. Updates will be backed out. \textit{condmsg}

Explanation
An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources remote to this CICS system, for example files, temporary storage, transient data on remote CICS systems, or database managers communicating via the RMI, have been updated, and
so the remote resource owners would be sent a syncpoint request. The links to the remote resource owners are in an invalid state to be sent the PREPARE request of the two phase syncpoint protocol.

Transaction *tranid* is abnormally terminated with abend code ASP2. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

**System action**

Message DFHAC2253 is sent to the main terminal operator (destination CSMT). Normal abend processing continues.

**User response**

See the explanation of abend ASP2 for guidance.

**Module:**

DFHTFP

**Destination**

Terminal End User

DFHAC2230  *date time applid* Transaction *tranid* terminal *termid* not executed due to I/O error at session startup.

**Explanation**

Transaction *tranid* could not be executed because an I/O error occurred in the start-up program on terminal *termid*.

**System action**

Transaction *tranid* is not executed.

**User response**

Correct the cause of the I/O error, which is probably due to the terminal not being powered on.

**Module:**

DFHACP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. termid
6. message

<table>
<thead>
<tr>
<th>Destination</th>
<th>CSMT</th>
</tr>
</thead>
</table>
| **DFHAC2231**  *date time applid* Transaction *tranid* running program *program_name* term *termid* has lost contact with its coordinator system during syncpoint and has abended with code ASP1. The unit of work is shunted until contact is restored.

**Explanation**

An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The coordinator of the syncpoint is not this CICS system but is remote.

Transaction *tranid* has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'.

In accordance with the transaction definition (WAIT YES), the unit of work is not completed. It is allowed to wait for resynchronization with the coordinator system. The transaction is abnormally terminated with abend code ASP1. The unit of work is shunted to await the return of the coordinator system.

Excii Job = *exci_id* is added when *tranid* is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal *termid* represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, *termid* is a terminal identifier (transaction routing) or a session identifier, *sysid* is the identifier of the linked CICS system. The display ends with the termination message *condmsg* issued by the linked system.

**System action**

If possible, message DFHAC2201 is sent to the terminal user. Normal abend processing continues.

**User response**

Refer to explanation of abend code ASP1.
**Module:** DFHTFP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. program_name
6. termid
7. Value chosen from the following options:
   1. EXCI job = exci_id
   2. exi_id
   3. condmsg

**Destination**

CSMT

**DFHAC2232**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Applid</th>
<th>Program Name</th>
<th>Tranid</th>
<th>Termid</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>date</em></td>
<td><em>time</em></td>
<td><em>applid</em></td>
<td><em>program_name</em></td>
<td><em>tranid</em></td>
<td><em>termid</em></td>
</tr>
</tbody>
</table>

**Explanation**

Transaction *tranid* has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'. The transaction is abnormally terminated with abend code ASPO. All updates will be unilaterally committed.

Exci Job = exci_id is added when *tranid* is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. The MVSid consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running.

Termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system *termid* is a terminal identifier (transaction routing) or a session identifier, *sysid* is the identifier of the linked CICS system. The display ends with the termination message *condmsg* issued by the linked system.

**System action**

If possible, message DFHAC2202 is sent to the terminal user. Normal abend processing continues.

**User response**

None. In accordance with the transaction definition, all updates are unilaterally committed.

**Module:** DFHTFP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. program_name
6. termid
7. Value chosen from the following options:
   1. EXCI job = exci_id
   2. exi_id
   3. condmsg

**Destination**

CSMT

**DFHAC2233**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Applid</th>
<th>Program Name</th>
<th>Tranid</th>
<th>Termid</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>date</em></td>
<td><em>time</em></td>
<td><em>applid</em></td>
<td><em>program_name</em></td>
<td><em>tranid</em></td>
<td><em>termid</em></td>
</tr>
</tbody>
</table>

**Explanation**

Transaction *tranid* has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'. The
transaction is abnormally terminated with abend code ASPP.

In accordance with the transaction definition (WAIT NO and ACTION BACKOUT), all recoverable updates performed by the unit of work are unilaterally backed out. Note that integrity of updates may be lost since the coordinator system may either commit or back out its changes.

Exc Job =exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procnme may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, termid is a terminal identifier (transaction routing) or a session identifier, and sysid is the identifier of the linked CICS system. The display ends with the termination message condmsg issued by the linked system.

**System action**

If possible, message DFHAC2203 is sent to the terminal user. Normal abend processing continues.

**User response**

None. In accordance with the transaction definition, all updates are unilaterally backed out.

**Module:**

DFHTFP

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **tranid**
5. **program_name**
6. **termid**
7. Value chosen from the following options:
   1. **EXCI job =**
   2. **exci_id**
   3. **condmsg**

**Destination**

CSMT

DFHAC2234 | date time applid A commit failure has occurred during syncpoint processing for transaction tranid, terminal termid. The transaction will be allowed to complete normally. [ EXCI job = exci_id.

**Explanation**

An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources local to this CICS system, for example files, temporary storage, or transient data, have been updated. A failure occurred during phase 2 of the syncpoint protocol for a local resource owner. The affected unit of work has recorded its outcome (either forwards or backwards) on the system log, but the resources managed by the local resource owner that failed will remain locked.

Exc Job =exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procnme may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

**User response**

Refer to earlier messages issued by the local resource owner to determine the cause of the failure.

**Module:**

DFHTFP
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. termid
6. Value chosen from the following options:
   1. EXCI job =
   7. exci_id
   8. condmsg

Destination
CSMT

DFHAC2235 date time applid A backout failure has occurred during syncpoint processing for transaction tranid, terminal termid. The transaction will be allowed to complete normally. EXCI job = exci_id. condmsg

Explanation
An attempt to back out a unit of work has suffered a backout failure. For the local resource owner(s) that suffered the backout failure, the resources updated by the unit of work remain locked. All other resources are backed out.

Exci Job = exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

termid is a terminal identifier (transaction routing) or a session identifier.

System action
If possible, message DFHAC2205 is sent to the terminal user. For an EXEC CICS SYNCPOINT, processing completes normally and processing continues with the next unit of work. For EXEC CICS RETURN, the transaction completes normally.

Resources affected by the backout failure remain locked and the unit of work is shunted.

User response
Refer to an earlier messages issued by the local resource owner to determine the cause of the backout failure.

Module:
DFHTFP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. termid
6. Value chosen from the following options:
   1. EXCI job =
   7. exci_id
   8. condmsg

Destination
CSMT

DFHAC2236 date time applid Transaction tranid transaction number trannum abend secondary_abcode in program program_name term termid. Updates to local recoverable resources will be backed out. EXCI job = exci_id. condmsg

Explanation
Transaction tranid transaction number trannum is abnormally terminated with abend code abcode in program program_name. Any changes to recoverable resources in the local system that have been performed by the current unit of work are backed out.

EXCI Job = exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

termid is a terminal identifier (transaction routing) or a session identifier.
termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, termid is a terminal identifier (transaction routing) or a session identifier, and sysid is the identifier of the linked CICS system. The display ends with the termination message condmsg issued by the linked system.

When this message is issued in the Terminal Owning region because a remote transaction has failed, there may be no recoverable resources to be backed out in the local system. In this case, the conditional message will tell you whether or not resources in the remote system have been backed out.

Program program will be unknown when the message is issued in a Terminal Owning region.

System action
If possible, message DFHAC2215 is sent to the terminal user. Normal abend processing continues.

User response
See the description of the abend code abcode for guidance. In a transaction routing environment, the original cause of the failure is usually indicated in the conditional message. If abcode is not a CICS abend, it is a user code, in which case you should consult the programmer responsible for this area.

Module:
DFHTFP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. secondary_abcode
7. program_name
8. termid
9. Value chosen from the following options:
   1. EXCI job =
10. exci_id
11. condmsg

Destination
CSMT

DFHAC2245  date time applid A CICS-generated syncpoint request could not be completed normally because a connected system has requested that the unit of work be rolled back. Transaction tranid running program program_name term termid has been abnormally terminated with code ASPF. EXCI job = excl_id. condmsg

Explanation
CICS has been unable to complete an internally generated syncpoint request because a connected system has notified it that the unit of work must be rolled back. (This may also occur as a result of a session failure or a protocol error).

Transaction tranid is abnormally terminated with abend code ASPF in program program. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

Exci Job =exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and proname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, termid is a terminal identifier (transaction routing) or a session identifier, and sysid is the identifier of the linked CICS system. The display ends with the termination message condmsg issued by the linked system.

System action
If possible, message DFHAC2215 is sent to the terminal user. Normal abend processing continues.

User response
Determine why the connected system sent the indication to roll back the unit of work.

Resubmit the transaction after the cause of the indication to roll back has been removed.

Module:
DFHTFP
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. program_name
6. termid
7. Value chosen from the following options:
   1. EXCI job =
8. exci_id
9. condmsg

Destination
CSMT

DFHAC2246

date time applid Transaction
termination processing for
transaction tranid could not be
completed normally because a
connected system has requested
that the unit of work be rolled
back{. EXCI job = exci_id.
condmsg

Explanation

A transaction has issued an EXEC CICS RETURN in
backout required program state. The backout required
program state is set when an application receives a
backout request on a protected conversation.

Recoverable resources updated by the unit of work are
backed out and locks released.

Exci Job =exci_id is added when tranid is a server
transaction running on behalf of a non CICS job
using the external CICS interface (EXCI). The exci_id
consists of 'jobname.stepname.procname - MVSid'
and identifies the EXCI client job. The stepname and
procname may be omitted. The MVSid identifies the
MVS system on which the EXCI client job is running. If
MRO/XCF is being used, this can be different from the
MVS system on which this CICS system is running. The
MVSid is the SMF system identification (SID), hence
the MVSid will be omitted if SMF is not active. Terminal
termid represents the connection between the EXCI
client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel
sessions) connected system, termid is a terminal
identifier (transaction routing) or a session identifier,
and sysid is the identifier of the linked CICS system.
The display ends with the termination message
condmsg issued by the linked system.

System action

If possible, message DFHAC2216 is sent to the
terminal user. Termination processing continues.

User response

To avoid the error, the application should code an
EXEC CICS SYNCPOINT command before the EXEC
CICS RETURN. A syncpoint issued in 'backout required'
program state results in a backout being performed,
and the ROLLEDBACK condition returned on the
EXEC CICS SYNCPOINT command. If this condition is
then handled, a subsequent EXEC CICS RETURN will
complete successfully.

Resubmit the transaction after the cause of the
indication to roll back has been removed.

Module:
DFHTFP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1. EXCI job =
6. exci_id
7. condmsg

Destination
CSMT

DFHAC2247
date time applid Transaction tranid
running program program_name
term termid has requested
rollback, but was using a type of
processing for which rollback is
not supported. The transaction has
been abnormally terminated with
code ASP8{. EXCI job = exci_id.
condmsg

Explanation

An application requested syncpoint rollback, but was
using a type of processing that does not support
rollback, for example LU6.1.

Transaction tranid is abnormally terminated with
abend code ASP8 in program program_name. Any changes
to recoverable resources that have been performed by
the current unit of work will be backed out.

Chapter 2. CICS messages 163
**Exci Job** = *exci_id* is added when *tranid* is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The *exci_id* consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and proname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal *termid* represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system *termid* is a terminal identifier (transaction routing) or a session identifier, *sysid* is the identifier of the linked CICS system, and the display ends with the termination message *condmsg* issued by the linked system.

**System action**

If possible, message DFHAC2217 is sent to the terminal user. Normal abend processing continues.

**User response**

Refer to explanation of abend code ASP8.

**Module:**

DFHTFP

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *tranid*
5. *program_name*
6. *termid*
7. Value chosen from the following options:
   1. Exci job =
5. *exci_id*
9. *condmsg*

**Destination**

CSMT

**DFHAC2248**

date time applid Transaction *tranid*
running program *program_name*
term *termid* has failed with
abend ASP7 following the failure of a local resource owner in

**Explanation**

An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources local to this CICS system, for example files, temporary storage, transient data, have been updated, and so the local resource owners have been sent a syncpoint request. A local resource owner has replied 'No' to a request to 'Prepare', during the two phase syncpoint protocol.

Transaction *tranid* is abnormally terminated with abend code ASP7 in program *programe*name. Any changes to recoverable resources that have been performed by the current unit of work will be backed out.

Exci Job = *exci_id* is added when *tranid* is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The *exci_id* consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and proname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal *termid* represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, *termid* is a terminal identifier (transaction routing) or a session identifier, and *sysid* is the identifier of the linked CICS system. The display ends with the termination message *condmsg* issued by the linked system.

**System action**

If possible, message DFHAC2218 is sent to the terminal user. Normal abend processing continues.

**User response**

Refer to explanation of abend code ASP7.

**Module:**

DFHTFP

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *tranid*
5. `program_name`
6. `termid`
7. Value chosen from the following options:
   1. `EXCI job =`
8. `exci_id`
9. `condmsg`

**Destination**

CSMT

**DFHAC2249**

`date time applid Transaction tranid running program program_name term termid` has failed with abend ASP7 following the failure partner system `remote_name` in the prepare phase of syncpoint. Updates will be backed out.

**Explanation**

An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources remote to this CICS system, for example files, temporary storage, transient data on remote CICS systems, or database managers communicating via the RMI, have been updated, and so the remote resource owners have been sent a syncpoint request. A remote resource owner has replied 'No' to a request to 'Prepare', during the two phase syncpoint protocol.

Transaction `tranid` is abnormally terminated with abend code ASP7 in program `program_name`. Any changes to recoverable resources that have been performed by the current unit of work will be backed out.

In the case of an MRO or an ISC APPC (parallel sessions) connected system `termid` is a terminal identifier (transaction routing) or a session identifier, and `sysid` is the identifier of the linked CICS system. The display ends with the termination message `condmsg` issued by the linked system.

**System action**

If possible, message DFHAC2219 is sent to the terminal user. Normal abend processing continues.

**User response**

Refer to explanation of abend code ASP7.

**Module:**

DFHTFP

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `program_name`
6. `termid`
7. `remote_name`

**Destination**

CSMT

**DFHAC2250**

`date time applid The coordinator system has indicated that the current unit of work is to be backed out. Transaction tranid running program program_name term termid` has been abnormally terminated with abend ASP3{ `EXCI job = } exci_id. `condmsg`

**Explanation**

An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The local unit of work is part of a larger unit of work, and is not the coordinator in the syncpoint. The coordinator is either in a remote system or is another unit of work in the local system (if the transaction is the result of a RUN SYNCHRONOUS command). During the syncpoint protocol the coordinator has decided that the unit of work cannot be committed and must be backed out.

Transaction `tranid` is abnormally terminated with abend code ASP3 in program `program_name`. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

Exci Job =`exci_id` is added when `tranid` is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The `exci_id` consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used this, can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal `termid` represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system `termid` is a terminal identifier (transaction routing) or a session identifier,
and sysid is the identifier of the linked CICS system. The display ends with the termination message condmsg issued by the linked system.

**System action**

If possible, message DFHAC2220 is sent to the terminal user. Normal abend processing continues.

**User response**

Refer to the coordinator system to determine the reason why the unit of work was backed out.

**Module:**

DFHTFP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. program_name
6. termid
7. Value chosen from the following options:
   1. EXCI job =
8. exci_id
9. condmsg

**Destination**

CSMT

DFHAC2251  

date time applid Transaction tranid running program program_name term termid has failed with abend ASPQ. Syncpoint commit processing has failed while communicating with a remote system. EXCI job = \_ exci_id. condmsg

**Explanation**

An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources remote to this CICS system such as files, temporary storage, and transient data on remote CICS systems have been updated, and so the remote resource owners have been sent a syncpoint request. A failure occurred during phase 2 of syncpoint protocol.

Transaction tranid is abnormally terminated with abend code ASPQ in program program_name. Recoverable resources have successfully been committed but a subsequent error occurred.

**EXCI job =** exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of jobname.stepname.procname - MVSid and identifies the EXCI client job. The stepname and procmame may be omitted. MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS; not a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, termid is a terminal identifier (transaction routing) or a session identifier, sysid is the identifier of the linked CICS system, and the display ends with the termination message condmsg issued by the linked system.

**System action**

If possible, message DFHAC2221 is sent to the terminal user. Normal abend processing continues.

**User response**

Refer to associated messages already issued by the communication components of CICS to determine the cause of the intersystem session problem.

**Module:**

DFHTFP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. program_name
6. termid
7. Value chosen from the following options:
   1. EXCI job =
8. exci_id
9. condmsg
Destination
CSMT
DFHAC2252  

**date time applid** Transaction **tranid**  
in program **program_name** term **termid** has lost contact with  
its coordinator system during syncpoint processing. No updates  
have been performed by this system; it has abended with  
code ASPR. **EXCI job = ** **exci_id.**

**condmsg**

**Explanation**
An application has requested syncpoint, either via  
EXEC CICS SYNCPOINT or implicitly via EXEC CICS  
RETURN. The coordinator of the syncpoint is not this  
CICS system but is remote.

Transaction **tranid** has lost contact with its coordinator  
system during the critical period of syncpoint  
processing known as the ‘indoubt window’. However  
no recoverable resources have been updated by this  
system and so there is no data integrity problem.

**Exci Job =** **exci_id** is added when **tranid** is a server  
transaction running on behalf of a non CICS job  
using the external CICS interface (EXCI). The **exci_id**  
consists of ‘**jobname.stepname.procname - MVSid**’  
and identifies the EXCI client job. The stepname and  
procname may be omitted. The MVSid identifies the  
MVS system on which the EXCI client job is running. If  
MRO/XCF is being used, this can be different from the  
MVS system on which this CICS system is running. The  
MVSid is the SMF system identification (SID), hence  
the MVSid will be omitted if SMF is not active.

**termid** represents the connection between the EXCI  
client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel  
sessions) connected system, **termid** is a terminal  
identifier (transaction routing) or a session identifier,  
and **sysid** is the identifier of the linked CICS system.  
The display ends with the termination message  
**condmsg** issued by the linked system.

**System action**
If possible, message DFHAC2222 is sent to the  
terminal user. Normal abend processing continues.

**User response**
Refer to messages on the remote system to  
determine if the remote resources were backed out or  
committed.

**Module:**

DFHTFP

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **tranid**
5. **program_name**
6. **termid**
7. Value chosen from the following options:
   - **EXCI job =** **exci_id**
8. **exci_id**
9. **condmsg**

Destination
CSMT
DFHAC2253  

**date time applid** Transaction **tranid**  
runtime program **program_name** term **termid** has failed with abend  
ASP2 due to the links to the remote systems being in an invalid  
state. Updates will be backed out. **EXCI job = ** **exci_id.**

**condmsg**

**Explanation**
An application has requested syncpoint, either via  
EXEC CICS SYNCPOINT or implicitly via EXEC CICS  
RETURN. Resources remote to this CICS system,  
for example files, temporary storage, transient data  
on remote CICS systems, or database managers  
communicating via the RMI, have been updated, and  
so the remote resource owners would be sent a  
syncpoint request. The links to the remote resource  
owners are in an invalid state to be sent the PREPARE  
request of the two phase syncpoint protocol.

Transaction **tranid** is abnormally terminated with  
abend code ASP2 in program **programe**. Any changes  
to recoverable resources that have been performed by  
the current unit of work are backed out.

**Exci job =** **exci_id** is added when **tranid** is a server  
transaction running on behalf of a non CICS job  
using the external CICS interface (EXCI). The **exci_id**  
consists of ‘**jobname.stepname.procname - MVSid**’  
and identifies the EXCI client job. The stepname and  
procname may be omitted. The MVSid identifies the  
MVS system on which the EXCI client job is running. If  
MRO/XCF is being used, this can be different from the  
MVS system on which this CICS system is running. The  
MVSid is the SMF system identification (SID), hence  
the MVSid will be omitted if SMF is not active. The  
MVSid identifies the MVS system on which the EXCI client  
job is running. If MRO/XCF is being used, this can be different from the  
MVS system on which this CICS system is running. The  
MVSid is the SMF system identification (SID), hence  
the MVSid will be omitted if SMF is not active.
the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, termid is a terminal identifier (transaction routing) or a session identifier and sysid is the identifier of the linked CICS system. The display ends with the termination message condmsg issued by the linked system.

**System action**

If possible, message DFHAC2223 is sent to the terminal user. Normal abend processing continues.

**User response**

See the explanation of abend code ASP2 for guidance.

**Module:**

DFHTFP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. program_name
6. termid
7. Value chosen from the following options:
   1. EXCI job =
   2. exci_id
   3. condmsg

**Destination**

CSMT

**DFHAC2260** date time applid Transaction tranid abend primary_abcode in program program_name term termid DFHPEP not linked.

**Explanation**

Transaction tranid, which has abnormally terminated, has been disabled. This is either as a result of user code in DFHPEP, or because the transaction has abended with abend ASRD or ASRE and DISMACP=YES has been specified (or allowed to default) in the startup parameters. No further use can be made of transaction tranid.

**System action**

Processing continues.

**User response**

Correct the cause of the abnormal termination and enable the transaction.

**Module:**

DFHACP

**XMEOUT parameters/Message inserts**

1. date

**System action**

Depending on the reason for the failure, CICS may abnormally terminate or continue.

**User response**

The transaction abend code, abcode, gives the reason for the original transaction failure.

Determine why DFHPEP could not be invoked. It may be disabled.

**Module:**

DFHACP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. primary_abcode
6. program_name
7. termid

**Destination**

CSMT

**DFHAC2259** date time applid Transaction tranid abend primary_abcode in program program_name term termid DFHPEP not linked.

**Explanation**

Transaction tranid is abnormally terminated with abend code abcode. An error occurred in attempting to link to the user-written program error program (DFHPEP). The error prevented DFHPEP from being given control.

If CICS terminates abnormally because of a program control restart failure, this message can appear during shutdown.
User response
Correct the reason for the abnormal termination in the remote system and run the transaction again.

Module:
DFHACP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sysid
5. cccccccc
6. tacbmsg

Explanation
A transaction, which has abnormally terminated, has received a negative response and an explanatory warning message from system sysid. The message tacbmsg is supplied from the remote system.

System action
Processing continues.

User response
Correct the reason for the abnormal termination in the remote system and run the transaction again.

Module:
DFHACP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sysid
5. cccccccc
6. tacbmsg

Explanation
A transaction, which has abnormally terminated, has received a negative response and an explanatory warning message from system sysid. The message tacbmsg is supplied from the remote system.

System action
Processing continues.

User response
Correct the reason for the abnormal termination in the remote system and run the transaction again.

Module:
DFHACP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sysid
5. cccccccc
6. tacbmsg

Explanation
A transaction, which has abnormally terminated, has received a negative response and an explanatory warning message from system sysid. The message tacbmsg is supplied from the remote system.

System action
Processing continues.

User response
Correct the reason for the abnormal termination in the remote system and run the transaction again.

Module:
DFHACP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sysid
5. cccccccc
6. tacbmsg

Explanation
A transaction, which has abnormally terminated, has received a negative response and an explanatory warning message from system sysid. The message tacbmsg is supplied from the remote system.

System action
Processing continues.

User response
Correct the reason for the abnormal termination in the remote system and run the transaction again.

Module:
DFHACP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sysid
5. cccccccc
6. tacbmsg

Explanation
A transaction, which has abnormally terminated, has received a negative response and an explanatory warning message from system sysid. The message tacbmsg is supplied from the remote system.

System action
Processing continues.

User response
Correct the reason for the abnormal termination in the remote system and run the transaction again.

Module:
DFHACP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sysid
5. cccccccc
6. tacbmsg

Explanation
A transaction, which has abnormally terminated, has received a negative response and an explanatory warning message from system sysid. The message tacbmsg is supplied from the remote system.

System action
Processing continues.

User response
Correct the reason for the abnormal termination in the remote system and run the transaction again.

Module:
DFHACP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sysid
5. cccccccc
6. tacbmsg

Explanation
A transaction, which has abnormally terminated, has received a negative response and an explanatory warning message from system sysid. The message tacbmsg is supplied from the remote system.

System action
Processing continues.

User response
Correct the reason for the abnormal termination in the remote system and run the transaction again.

Module:
DFHACP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sysid
5. cccccccc
6. tacbmsg

Explanation
A transaction, which has abnormally terminated, has received a negative response and an explanatory warning message from system sysid. The message tacbmsg is supplied from the remote system.

System action
Processing continues.

User response
Correct the reason for the abnormal termination in the remote system and run the transaction again.

Module:
DFHACP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sysid
5. cccccccc
6. tacbmsg

Explanation
A transaction, which has abnormally terminated, has received a negative response and an explanatory warning message from system sysid. The message tacbmsg is supplied from the remote system.

System action
Processing continues.

User response
Correct the reason for the abnormal termination in the remote system and run the transaction again.

Module:
DFHACP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sysid
5. cccccccc
6. tacbmsg

Explanation
A transaction, which has abnormally terminated, has received a negative response and an explanatory warning message from system sysid. The message tacbmsg is supplied from the remote system.

System action
Processing continues.

User response
Correct the reason for the abnormal termination in the remote system and run the transaction again.

Module:
DFHACP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sysid
5. cccccccc
6. tacbmsg

Explanation
A transaction, which has abnormally terminated, has received a negative response and an explanatory warning message from system sysid. The message tacbmsg is supplied from the remote system.

System action
Processing continues.

User response
Correct the reason for the abnormal termination in the remote system and run the transaction again.

Module:
DFHACP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sysid
5. cccccccc
6. tacbmsg

Explanation
A transaction, which has abnormally terminated, has received a negative response and an explanatory warning message from system sysid. The message tacbmsg is supplied from the remote system.

System action
Processing continues.
7. termid

**Destination**
CSMT

DFHAC2603  Syst.sense
systsense,termid,taskid, No
authorization

**Explanation**
An operator has attempted to execute a transaction for
which the operator was not authorized. Alternatively,
the operator’s authorization was set to the capability
of the default user and the requested transaction has a
security value greater than 1.

**System action**
Other processing continues.

**User response**
Either sign on or confirm authority to enter this
transaction as appropriate. See messages DFHAC2002
and DFHAC2003 for further information.

**Module:**
DFHACP

**Destination**
Terminal End User

DFHAC2606  Syst.sense
systsense,termid,taskid, Function
not executable

**Explanation**
Either the transaction was not valid during system
quiesce, or the transaction has been disabled.

**System action**
The system action is error specific. For an invalid
transaction during system quiesce, refer to the System
For a transaction that has been disabled, refer to the

**User response**
The user response is error specific.
For an invalid transaction during system quiesce, refer
to the User Response of message DFHAC2007. For a
transaction that has been disabled, refer to the User

**Module:**
DFHACP

**Destination**
Terminal End User

DFHADnnnn messages

DFHAD0001  applid An abend (code aaa/bbbb) has occurred at offset X'offset' in
module modname.

**Explanation**
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an
error in CICS code.
Alternatively:
• Unexpected data has been input,
• Storage has been overwritten, or
• There has been a program check within a user program.

The code \textit{aaa} is, if applicable, a 3-digit hexadecimal MVS system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The 4-digit code \textit{bbbb}, which follows \textit{aaa}, is a user abend code produced either by CICS or by another product on the user’s system.

If \texttt{X’offset’} contains the value \texttt{X’FFFF’}, module \textit{modname} was in control at the time of the abend, but the program status word (PSW) was not addressing this module.

\textbf{System action}

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

\textbf{Either} this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

\textbf{Or} CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116, which contains the symptom string for this problem, is produced.

\textbf{User response}

Notify the system programmer.

Look up the MVS code \textit{aaa}, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

If the \textit{modname} insert contains the value \texttt{???}, CICS was unable to determine which module has abnormally terminated. In this case, examine the system dump to determine which area of code has caused the program check.

The user should examine other messages to determine what the module which issued this message was doing at the time the abend occurred. From these messages they can deduce which product has produced the abend code \textit{bbbb}. If \textit{bbbb} is identified as a CICS code, it may be either alphanumeric or numeric.

• If the CICS code is alphanumeric (for example AKEA), it is a CICS transaction abend code.
• If the CICS code is numeric (for example 1310), it refers to a CICS message (DFHTS1310 in our example).

If the user abend code is from another product (for example, IMS), refer to the appropriate messages and codes manual to determine the cause of the abend.

The entries in the appropriate manuals will give the user guidance regarding the nature of the error, and may also give some guidance concerning the appropriate user response.

\textbf{Note}:

The program check may have occurred in a user program. If this is the case, the program check is usually followed by an ASRA or an ASRB transaction abend and a transaction dump.

If you want to suppress system dumps that precede ASRA and ASRB abends, you must specify this on an entry in the dump table, using either CEMT or an EXEC CICS command. Further guidance on suppressing system dumps can be found in the Configuring.

You may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

\textbf{Module}:

DFHADxx

\textbf{XMEOUT parameters/Message inserts}

1. \textit{applid}
Destination

Console

**DFHAIinnnn messages**

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<th>Explanation</th>
<th>System action</th>
<th>User response</th>
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<tr>
<td>DFHAI0101I</td>
<td><strong>applid</strong> AITM initialization has started.</td>
<td>Initialization continues.</td>
<td>None. The message can be suppressed with the system initialization parameter MSG_LVL=0.</td>
</tr>
<tr>
<td>XMEOUT parameters/Message inserts</td>
<td>1. <strong>applid</strong></td>
<td></td>
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<td>Destination</td>
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<table>
<thead>
<tr>
<th>Message</th>
<th>Explanation</th>
<th>System action</th>
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<tbody>
<tr>
<td>DFHAI0103</td>
<td><strong>applid</strong> AITM initialization has failed.</td>
<td>Message DFHSI1521 is issued and initialization is terminated. A further error message from another domain may also be issued.</td>
<td>None. The message can be suppressed with the system initialization parameter MSG_LVL=0.</td>
</tr>
<tr>
<td>XMEOUT parameters/Message inserts</td>
<td>1. <strong>applid</strong></td>
<td></td>
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<td>Destination</td>
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<tr>
<td>DFHAI0102I</td>
<td><strong>applid</strong> AITM initialization has ended.</td>
<td>CICS initialization continues.</td>
<td>None. The message can be suppressed with the system initialization parameter MSG_LVL=0.</td>
</tr>
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<td>XMEOUT parameters/Message inserts</td>
<td>1. <strong>applid</strong></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

**Module:** DFHAIIN

**Explanation**

This is an informational message indicating that Autoinstall terminal model manager (AITM) initialization has begun.

**System action**

Initialization continues.

**User response**

None. The message can be suppressed with the system initialization parameter MSG_LVL=0.

**Module:** DFHAIIN

**Explanation**

This is an informational message indicating that Autoinstall terminal model manager (AITM) initialization has completed.

**System action**

CICS initialization continues.

**User response**

None. The message can be suppressed with the system initialization parameter MSG_LVL=0.

**Module:** DFHAIIN

**Explanation**

This is an audit log message indicating that a record of the dynamic replacement of auto-install terminal model **modelname** has been made in the transient data destination.
System action
The system continues normally.

User response
None.

Module:
DFHAITM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. modelname

Destination
CAIL

DFHAI0202  date time applid Terminal Model modelname has been installed.

Explanation
This is an audit log message indicating that a record of the dynamic addition of auto-install terminal model modelname has been made in the transient data destination.

System action
The system continues normally.

User response
None.

Module:
DFHAITM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. modelname

Destination
CAIL

DFHAI0203  date time applid Terminal Model modelname has been discarded.

Explanation
This is an audit log message indicating that a record of the dynamic deletion of auto-install terminal model modelname has been made in the transient data destination using the DISCARD command.

System action
The system continues normally.

User response
None.

Module:
DFHAITM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. modelname

Destination
CAIL

DFHAMnnnnn messages

DFHAM4800 I  applid New group grpname created.

Explanation
A new group grpname has been created on the CSD.

System action
Processing continues.

User response
None.

Module:
DFHAMP

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**Destination**
Terminal End User

DFHAM4801 E  **applid** New list **lstname** created.

**Explanation**
A new list **lstname** has been created on the CSD.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHAMP

---

**Destination**
Terminal End User

DFHAM4802 E  **applid** name is an invalid name.

**Explanation**
The name **name** in the command is invalid.

**System action**
Processing continues.

**User response**
Specify a valid name.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. **applid**
2. **filename**

---

**Destination**
Terminal End User

DFHAM4803 E  **applid** Install failed because an existing definition for file **filename** could not be deleted.

**Explanation**
An attempt was made to install file **filename**. File **filename** already exists and cannot be deleted. This condition can occur if an existing file definition in an FCT or on the CSD, was installed as enabled or open.

If the file is the Local Request Queue file (DFHLRQ), it is not possible to re-install it even if the file is closed and disabled.

**System action**
The install fails.

**User response**
Rectify the problem and try the install again.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. **applid**
2. **filename**

---

**Destination**
Console and Terminal End User

DFHAM4804 E  **applid** Invalid LIST name **listname**.

**Explanation**
The GRPLIST parameter of the system initialization table (SIT) specifies a list name **listname** that contains characters unacceptable to RDO.

**System action**
CICS issues the request 'ENTER ALTERNATIVE NAME OR CANCEL'.

**User response**
Enter a valid list name or enter 'CANCEL', correct the GRPLIST parameter in the SIT, and reinitialize CICS.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. **applid**
2. **listname**

---

**Destination**
Console and Terminal End User

DFHAM4805 E  **applid** Unable to perform operation: **name** is locked to
**Explanation**

An attempt has been made to lock, or update, a group or a list that is currently locked to another user.

**System action**

Processing continues.

**User response**

Reenter the command when the group or the list is not locked.

**Module:** DFHAMP

**Destination**

Terminal End User

**DFHAM4806 E applid Group name grpname exists as a LIST name.**

**Explanation**

The system initialization table (SIT) GRPLIST parameter names a list that contains an unusable group name grpname. CICS cannot find this group because no resources are defined as belonging to it, and also because a list of the same name already exists in the CSD.

**Note:**

A group and a list cannot coexist with the same name.

**System action**

CICS issues the request 'IS START-UP TO BE CONTINUED? REPLY GO OR CANCEL'.

If you reply 'GO', CICS is initialized with all the valid definitions in the list.

**User response**

If you do not require group grpname, enter 'GO'.

If group grpname is essential, enter 'CANCEL', and reinitialize CICS with a different GRPLIST name as a SIT override parameter. Then use the CEDA transaction to review and correct the faulty list.

**Module:** DFHAMP

**XMEOUT parameters/Message inserts**

1. applid
2. grpname

**Destination**

Console and Terminal End User

**DFHAM4807 E applid Install failed for LSRPOOL with LSRPOOLNUM(lsrpoolnum). The MAXKEYLENGTH is less than 22 which is incorrect for use by the CSD.**

**Explanation**

An attempt to install an LSRPOOL with LSRPOOLNUM lsrpoolnum has failed. The system detected that the installation of this LSRPOOL would cause the CSD to become not readable. The MAXKEYLENGTH parameter on this LSRPOOL definition is invalid for an LSRPOOL used by the CSD.

**System action**

This install fails and the previous LSRPOOL definition remains installed.

**User response**

The MAXKEYLENGTH parameter on the LSRPOOL definition must be at least 22 as this is the keylength required by the CSD. To resolve this problem, either change the LSRPOOL definition to have a MAXKEYLENGTH of 22 or greater, or change the DFHCSD file definition to use RLS or NSR.

**Module:** DFHAMP

**XMEOUT parameters/Message inserts**

1. applid
2. lsrpoolnum

**Destination**

Console and Terminal End User

**DFHAM4808 E applid Object already exists in this group.**

**Explanation**

An attempt has been made to define an object in a group, but an object with the same name already exists.
**System action**
The definition on the CSD is presented to the user to overtype.

**User response**
Reenter the command with a different object name, or change the existing definition.

**Module:**
DFHAMP

**Destination**
Terminal End User

**Explanation**
The definition of an object on the CSD has been changed while the user was altering the definition.

**System action**
Processing continues.

**User response**
Determine why the definition cannot be found.

**Module:**
DFHAMP

**Destination**
Console and Terminal End User

**Explanation**
Install of the dynamic LIBRARY resource *libname* has completed but one of the steps required for the successful completion of the LIBRARY install process has failed. The error occurred while attempting to do one of the following:

- Allocate a data set that was defined as one of the DSNAME attributes in the LIBRARY resource definition
- Concatenate the data sets together
- Open the LIBRARY concatenation.

The message text indicates which of these errors has occurred. Due to the error, the LIBRARY has been installed, but with an enablement status of DISABLED, which means that it will not participate in the search order used when loading programs and program artifacts.

---

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System action

Processing continues. Even if the LIBRARY was defined with enablement status of ENABLED, the resource has been installed as DISABLED. Also, this LIBRARY will not be searched when program artifacts are loaded. Therefore, program artifacts that reside in the data sets defined for LIBRARY libname will not be loaded from this LIBRARY.

User response

Examine the messages issued by the Loader domain to determine the type of failure that occurred during install processing for this LIBRARY. When the problem has been resolved, SET LIBRARY libname to ENABLED in order for the LIBRARY to participate in the dynamic library search order process.

Module:
DFHAMP

XMEOUT parameters/Message inserts

1. applid
2. libname
3. Value chosen from the following options:
   1=allocation,
   2=concatenation,
   3=open

Destination

Console and Terminal End User

DFHAM4813 W applid Install of LIBRARY libname encountered an MVS ABEND. The LIBRARY is installed but disabled.

Explanation

Install of the dynamic LIBRARY resource libname has completed but one of the steps required for the successful completion of the LIBRARY install process has failed. Due to the error, the LIBRARY has been installed, but with an enablement status of DISABLED, which means that it will not participate in the search order used when loading programs and program artifacts.

System action

Processing continues. Even if the LIBRARY was defined with enablement status of ENABLED, the resource has been installed as DISABLED. Also, this LIBRARY will not be searched when program artifacts are loaded. Therefore, program artifacts that reside in the data sets defined for LIBRARY libname will not be loaded from this LIBRARY.

User response

Examine the messages issued by the Loader domain to determine the type of failure that occurred during install processing for this LIBRARY. When the problem has been resolved, SET LIBRARY libname to ENABLED in order for the LIBRARY to participate in the dynamic library search order process.

Module:
DFHAMP

XMEOUT parameters/Message inserts

1. applid
2. libname

Destination

Console and Terminal End User

DFHAM4814 E applid List name listname exists as a group name.

Explanation

The GRPLIST parameter of the system initialization table (SIT) specifies an invalid list name listname. CICS cannot find the list because a group of the same name already exists in the CSD.

Note:
A group and a list cannot coexist with the same name.

System action

CICS issues the request 'ENTER ALTERNATIVE NAME OR CANCEL'.

User response

Enter a valid list name, or enter 'CANCEL', correct the GRPLIST system initialization parameter and reinitialize CICS.

Module:
DFHAMP

XMEOUT parameters/Message inserts

1. applid
2. listname
Destination

Console and Terminal End User

**DFHAM4815 E applid Group grpname not found in this list.**

**Explanation**
The AFTER/BEFORE name entered in the command could not be found in this list. The definition could have been deleted while the user was viewing the outcome of an EXPAND command.

**System action**
Processing continues.

**User response**
Reenter the command with a group name that exists on this list.

**Module:**
DFHAMP

**Destination**
Terminal End User

**DFHAM4816 E applid Unable to install group grpname - group not found.**

**Explanation**
Group `grpname` specified in the list being installed was found to be empty. This error can occur either at group list install during CICS start-up or when using the CEDA transaction to install a list. If the error occurs during CICS start-up, the GRPLIST parameter of the system initialization table (SIT) names a list that contains an unusable group name `grpname`. CICS cannot find group `grpname` because no resources are defined as belonging to it.

**System action**
The system action depends on when the error occurs. During group list install at CICS start-up, CICS issues the request 'IS START-UP TO BE CONTINUED? REPLY GO OR CANCEL'.

If you reply 'GO', CICS is initialized with all the valid definitions in the list.

However, with CEDA, install of the complete list will be unsuccessful and an error message will be returned to the terminal end user. Valid definitions will be installed, but the empty group will not.

**Destination**
Console and Terminal End User

**DFHAM4817 E applid Install of LIBRARY libname failed with an MVS ABEND. The LIBRARY is not installed.**

**Explanation**
Install of the dynamic LIBRARY resource `libname` has failed because of an MVS ABEND. Due to the error, the LIBRARY has not been installed, which means that it will not participate in the search order used when loading programs and program artifacts.

**System action**
Processing continues. This LIBRARY will not be searched when program artifacts are loaded. Therefore, program artifacts that reside in the data sets defined for LIBRARY `libname` will not be loaded from this LIBRARY.

**User response**
Examine the messages issued by the Loader domain to determine the type of MVS abend that occurred during install processing for this LIBRARY. When the problem has been resolved, re-install LIBRARY `libname` in order for the LIBRARY to participate in the dynamic library search order process.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. applid
2. libname
**Destination**
Console and Terminal End User

**DFHAM4819 E applid** Group already exists in this list.

**Explanation**
The group already exists in the list.

**System action**
Processing continues.

**User response**
Determine why the group exists and reenter the command, perhaps with a different group name.

**Module:**
DFHAMP

**Destination**
Terminal End User

**DFHAM4820 S applid** Unable to perform request - CSD full.

**Explanation**
The CSD file is full.

**System action**
Processing continues.

**User response**
Reenter the command when more space is available.

**Module:**
DFHAMP

**Destination**
Terminal End User

**DFHAM4821 S applid** Unable to perform request - I/O error to CSD.

**Explanation**
An error occurred while the CSD file was being accessed during CICS initialization. This may be because the disk containing the CSD file was mounted incorrectly.

**System action**
CICS terminates.

**User response**
Retry the CICS initialization. If the problem persists, a hardware fault probably exists, and you should load a backup copy of the CSD.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. applid

**Destination**
Console and Terminal End User

**DFHAM4822 S applid** Unable to perform request - DFHCSD data set is invalid.

**Explanation**
This message will occur during initialization when CICS tries to open the CSD file (DFHCSD) and finds that it has an incorrect maximum record size. The CSD file should be defined with a specific maximum record size as described in the Configuring. Also, if the CSD data set is dynamically allocated to a running CICS system with an incorrect record size, i.e. one that is too small, CICS will fail to open it and any changes made using CEDA will not be permitted.

**System action**
CICS terminates.

**User response**
Ensure that you have defined the DFHCSD file as described in the Configuring.

**Module:**
DFHAMP

**Destination**
Console and Terminal End User

**DFHAM4823 S applid** Unable to perform request - DFHCSD not open.
Explanation
The CSD file (DFHCSD) is not open.

System action
Other processing continues.

User response
Ask the main terminal operator to open the file. The DFHCSD is defined in the bringup JCL and/or in the SIT.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid

Destination
Console and Terminal End User

DFHAM4824 S applid Unable to perform request - Insufficient function in file definition for DFHCSD.

Explanation
During initialization, CICS has found a GRPLIST parameter in the SIT, but cannot access the CSD file because of an error in the file definition entry for DFHCSD.

The most likely cause of this error is an incorrectly coded CSDACC parameter in the SIT entry for DFHCSD.

System action
CICS terminates.

User response
Before the next CICS initialization, correct the error in the system initialization parameters for DFHCSD.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid

Destination
Console and Terminal End User

DFHAM4825 S applid Unable to perform request - File Control has returned an INVREQ response.

Explanation
The file control file request handler (DFHFCFR) does not have sufficient function to support the CEDA command entered.

System action
The CEDA command is ignored.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid

Destination
Console and Terminal End User

DFHAM4826 S applid Unable to perform request - CSD corrupted or not initialized.

Explanation
During initialization, CICS finds a GRPLIST parameter in the SIT, but cannot access the CSD file because:

1. The CSD file has not been initialized, or
2. CSD initialization did not complete successfully, or
3. the CSD file has been corrupted.

System action
CICS terminates.

User response
If you have not used the CSD file before, initialize it using the offline utility, DFHCSDUP, and check the output listing from the utility for successful completion.

If you have used the CSD file before, it has probably been corrupted. In this case, load a backup copy of the CSD file and use it in place of the corrupted file.

Module:
DFHAMP
**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**
Console and Terminal End User

---

**DFHAM4827 S**

**applid** Unable to perform request - DFHCSD could not be installed.

**Explanation**
During initialization, CICS finds a GRPLIST parameter in the system initialization table (SIT), but cannot access the CSD file because file control failed to install it.

**System action**
CICS terminates.

**User response**
Before the next CICS initialization, ensure that you have a SIT with the correct parameters for the definition of the DFHCSD file.

Assemble a new SIT as necessary.

**Module:** DFHAMP

---

**XMEOUT parameters/Message inserts**

1. **applid**

2. **grpname**

**Destination**
Console and Terminal End User

---

**DFHAM4829 S**

**applid** Storage violation. CSD primary control record not updated.

**Explanation**
The in-store version of the CSD primary record was corrupted.

**System action**
The version on the CSD was not updated and is not necessarily affected.

**User response**
None.

**Module:** DFHAMP

---

**DFHAM4828 E**

**applid** Group **grpname** not found.

**Explanation**
The group name **grpname** in the command could not be found.

**System action**
The command is ignored.

**User response**
Retry the command with a group name that exists.

**Module:** DFHAMP

---

**DFHAM4830 E**

**applid** restype **resname** already exists in the target group.

**Explanation**
The COPY operation could not be performed, as a duplicate has been found in the target group.

**System action**
The COPY command is ignored.

**User response**
Reenter the command with the MERGE or the REPLACE option.

**Module:** DFHAMP
Destination
Terminal End User

DFHAM4831 E applid The new name name is longer than the four characters allowed for restype names.

Explanation
The specified name name is invalid because it is longer than four characters.

System action
The command is ignored.

User response
Enter a valid name.

Module:
DFHAM

Destination
Terminal End User

DFHAM4832 E applid Unable to open TDQUEUE tdqname because the DFHINTRA data set is not open.

Explanation
An attempt to install the transient data queue tdqname on the CICS system has been rejected because the DFHINTRA data set is not open.

System action
Processing continues. The definition is not installed.

User response
It is not possible to install intrapartition definitions on a system that does not have a DFHINTRA data set defined and opened. If DFHINTRA has been defined, it may have failed to open during initialization. It is necessary to repair the data set and restart the system in order to open it.

Module:
DFHAM

XMEOUT parameters/Message inserts
1. applid
2. tdqname

Destination
Console and Terminal End User

DFHAM4833 E applid A security error has occurred while attempting to install {TDQUEUE | URIMAP} resourcename. The definition has not been installed.

Explanation
An attempt to install the resource resourcename on the CICS system has been rejected because of an error encountered while performing a security check for the userid included within the definition.

System action
Processing continues. The definition is not installed.

User response
Refer to the associated messages issued by the security manager for further guidance. Reinstall the definition once the error has been corrected.

Module:
DFHAM

XMEOUT parameters/Message inserts
1. applid
2. Value chosen from the following options:
   1=TDQUEUE,
   10=URIMAP
3. resourcename

Destination
Console and Terminal End User

DFHAM4834 E applid Install of {TDQUEUE | PROCESSTYPE | LIBRARY | URIMAP | ATOMSERVICE} resourcename failed because the installed definition is not disabled.

Explanation
An attempt to install the resource resourcename on the CICS system has failed because the resource is not disabled.

System action
Processing continues. The definition is not installed.
User response
The specified resource must be disabled before it can be installed. Ensure that the resource is in the required state and then install the new definition.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. tdqname
3. resourcename

Destination
Console and Terminal End User
DFHAM4835 E applid Install of TDQUEUE tdqname failed because the queue has already been defined to the system, and initialization is still in progress.

Explanation
An attempt to install the transient data queue tdqname on the CICS system has failed because the queue has already been defined to the system and initialization has not completed.

It is not possible to replace a TD resource definition while CICS is still initializing. This problem only occurs during a cold or initial start of the system where more than one group is being installed as part of GRPLIST processing.

System action
Processing continues. The definition is not installed.

User response
Remove the duplicate resource definition so that the failure does not recur on a subsequent cold or initial start.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. db2conn-name

Destination
Console and Terminal End User
DFHAM4836 E applid Install of DB2CONN db2conn-name failed because a DB2CONN is already installed and is in use.

Explanation
An attempt to install the DB2CONN db2conn-name on the CICS system has failed because there is an existing DB2CONN installed and it is in use by the CICS-DB2 adapter.

System action
Processing continues. The definition is not installed.

User response
Only one DB2CONN can be installed on the CICS system at a time. The install of a second DB2CONN implies the discarding of the first DB2CONN and all its associated DB2ENTRYs and DB2TRANs.

A DB2CONN definition can be replaced or discarded only when it is not in use by the CICS-DB2 adapter. Ensure that the CICS-DB2 interface has been stopped before trying to install a DB2CONN definition.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. { DB2ENTRY | DB2TRAN } name

Destination
Console and Terminal End User
DFHAM4837 E applid Install of { DB2ENTRY | DB2TRAN } name failed because a DB2CONN is not installed.

Explanation
An attempt to install the DB2ENTRY or DB2TRAN name on the CICS system failed because there is no DB2CONN installed. DB2TRANs and DB2ENTRYs can be installed only after a DB2CONN has been installed.
System action
Processing continues. The definition is not installed.

User response
Install a DB2CONN definition and then retry the install of the DB2ENTRY or DB2TRAN.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. Value chosen from the following options:
   1= DB2ENTRY, 2= DB2TRAN
3. name

Destination
Console and Terminal End User

DFHAM4838 E  applid Install of DB2ENTRY db2entry-name failed because an existing definition could not be deleted. The existing definition is not disabled.

Explanation
An attempt to install the DB2ENTRY db2entry-name on the CICS system has failed because there is an existing DB2ENTRY of the same name which is not in a disabled state.

System action
Processing continues. The definition is not installed.

User response
Existing DB2ENTRY definitions can be replaced only when the DB2ENTRY is in a disabled state. Issue a command to disable the DB2ENTRY and then retry the install.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. db2entry-name

DFHAM4840 W  applid Group grpname not appended - group already exists in target list.

Explanation
The group grpname already exists in the target list.

System action
The group definition is not appended.
User response
None.

Module:
DFHAMP

Destination
Terminal End User

**DFHAM4841 E** applid Install failed because definition of restype resname is in use by task no. taskno (transaction id. tranid).

**Explanation**
An attempt was made to install object definition restype resname on the CICS system, but the installation failed because a read lock was held on that definition by task taskno.

**System action**
No definitions have been installed.

**User response**
Try the command again later.

Module:
DFHAMP

**XMEOUT parameters/Message inserts**
1. applid
2. restype
3. resname
4. taskno
5. tranid

Destination
Console and Terminal End User

**DFHAM4842 E** applid GROUP/LIST name is internally locked to OPID opid APPLID applid.

**Explanation**
The identified GROUP or LIST name is internally locked to operator opid on CICS system applid when an attempt to install the GROUP or LIST occurred. This could occur at a cold or initial start when the CSD is shared between several CICS regions and operations on that group or list are incomplete.

**System action**
The installation continues.

**User response**
Check that the installed definitions correspond to your requirements.

Module:
DFHAMP

**XMEOUT parameters/Message inserts**
1. applid
2. GROUP/LIST
3. name
4. opid
5. applid

Destination
Console and Terminal End User

**DFHAM4844 W** applid restype resname1 in group grpname1 has the same name as a restype later in group grpname2.
**Explanation**

The CHECK command encountered a duplicate object name.

**System action**

None in the CHECK command, but the earlier definition will be ignored when the definitions are installed, because they both belong to the same CICS table in which duplicate entries may not exist.

**User response**

Determine why the duplicate condition exists and rectify it if necessary.

**Module:**

DFHAMP

**Destination**

Terminal End User

**Explanation**

The CHECK command found a reference in a transaction definition to an object definition that does not exist.

**System action**

None in the CHECK command, but errors may occur if that definition is installed and used.

**User response**

Determine why the object definition cannot be found and rectify it if necessary.

**Module:**

DFHAMP

**Destination**

Terminal End User

**Explanation**

The CHECK command found a transaction definition with the same alias as another transaction.

**System action**

No system action occurs for the CHECK command. However, errors may occur if that definition is installed and used.

**User response**

Determine why the duplicate situation occurs and rectify it if necessary.

**Module:**

DFHAMP

**Destination**

Terminal End User

**Explanation**

The CHECK command found a transaction definition that referenced a non-RPG II program for which RELOAD=YES was specified.

**System action**

If the definition is installed, CICS will not release storage for the first program invoked by a transaction unless the language is RPG II.

**User response**

Specify RELOAD (NO).

**Module:**

DFHAMP

**Destination**

Terminal End User

**Explanation**

The CHECK command, executing under CICS Transaction Server for OS/390 encountered an RPG II program definition. RPG II is not supported on CICS.
System action
If the definition is installed, the program language is overwritten.

User response
Change the language as appropriate.
Module: DFHAMP

Destination
Terminal End User

Explanation
The CHECK command found a connection or terminal definition with a NETNAME that is the same as the NETNAME defined in another connection or terminal definition.

System action
None in the CHECK command. However, it is not possible to install two terminals or a terminal and a connection with the same NETNAME. Also, you cannot have two or more APPC links with the same NETNAME, an APPC link and an LUTYPE6.1 link with the same NETNAME or two or more IRC connections with the same NETNAME.

User response
Determine why the duplication exists and rectify the problem.
Module: DFHAMP

Explanation
An attempt to install the DB2TRAN db2tran-name on the CICS system has failed because the DB2ENTRY to which it refers, db2entry-name, has not been installed.

System action
Processing continues. The definition is not installed.

User response
Ensure that the name of DB2ENTRY in the DB2TRAN definition is correct. Install the necessary DB2ENTRY definition first then retry the install of the DB2TRAN.
Module: DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. db2tran-name
3. db2entry-name

Destination
Console and Terminal End User

Explanation
An attempt to install the ATOMSERVICE, DB2CONN, DB2ENTRY, DB2TRAN, or LIBRARY name on the CICS system has been rejected because of an error encountered while performing a security check.

System action
Processing continues. The definition is not installed.

User response
See the associated messages issued by the security manager for further guidance. Correct the error. Then reinstall the definition.
Module: DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. Value chosen from the following options:
Destination
Console and Terminal End User

**DFHAM4852 W applid restype name resname**

name begins with 'DFH' or 'EYU'. Such names are reserved and may be redefined by CICS.

**Explanation**
A name beginning with DFH or EYU was specified.

**System action**
If the definition is installed, errors may occur.

**User response**
Names beginning with "DFH" and "EYU" are reserved and may be redefined by CICS. You should avoid starting names with "DFH" and "EYU".

**Module:**
DFHAMP

Destination
Terminal End User

**DFHAM4853 E applid Install of DB2TRAN**

db2tran-name failed because another DB2TRAN is installed with the same transid.

**Explanation**
An attempt to install the DB2TRAN db2tran-name on the CICS system has failed because there is another DB2TRAN installed that specifies the same transid. You cannot install two DB2TRANs that specify the same transid.

**System action**
Processing continues. The definition is not installed.

**User response**
Examine the installed DB2TRAN definitions using inquire DB2TRAN commands to determine the name of the DB2TRAN specifying the same transid. If appropriate, discard that DB2TRAN and then reinstall this DB2TRAN.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**

1. applid
2. db2tran-name

Destination
Console and Terminal End User

**DFHAM4854 W applid**
The specified {GROUP | LIST} contains objtype objects but no restype found.

**Explanation**
The specified GROUP or LIST contains objects that need a resource type of restype but no such resource type is listed in the GROUP or LIST.

**System action**
Processing continues.

**User response**
This may not be an error, but ensure that the resource type restype is installed before installing the GROUP or LIST.

**Module:**
DFHAMP

Destination
Terminal End User

**DFHAM4855 W applid**
DVSUPRT(VTAM) must be specified for PROFILE profname referenced by transaction tranid in group grpname.

**Explanation**
The CHECK command found a definition for a CICS-supplied transaction tranid without DVSUPRT(VTAM) specified in profile proiname.
System action
Unpredictable results occur if the definition is installed and used.

User response
Specify DVSUPRT(VTAM).

Module: DFHAMP

Destination
Terminal End User

DFHAM4856 W applid INBFMH(ALL) must be specified for PROFILE profname referenced by transaction tranid in group grpname.

Explanation
The CHECK command found a definition for a CICS-supplied transaction tranid without INBFMH(ALL) specified in profile progname.

System action
The system abnormally terminates with abend code AXFO if the definition is installed and used.

User response
Specify INBFMH(ALL).

Module: DFHAMP

XMEOUT parameters/Message inserts
1. applid

Destination
Console and Terminal End User

DFHAM4859 S applid Unable to perform request - The CSDSTRNO operand in the System Initialization Table (SIT) is too small.

Explanation
Insufficient VSAM strings are available to allow CEDA to proceed.

System action
No CEDA commands may be executed.

User response
Wait until other CEDA users have terminated their sessions, or specify a CSDSTRNO value of twice the number of concurrent CEDA transactions in the SIT.

Module: DFHAMP
XMEOUT parameters/Message inserts

1. applid

Destination
Console and Terminal End User

DFHAM4860 W  applid The specified LIST contains DB2ENTRY or DB2TRAN definitions before a DB2CONN definition.

Explanation
The specified LIST contains DB2ENTRY and/or DB2TRAN definitions in a group containing no DB2CONN definition. No DB2CONN definition precedes it in the list.

System action
Processing continues.

User response
Determine why the duplication exists and rectify the problem.

Module:
DFHAMP

Destination
Terminal End User

DFHAM4862 W  applid Transaction id tranid in group grpname duplicates XTRANID of transaction tranid in group grpname.

Explanation
The check command found a transaction tranid in group grpname whose XTRANID duplicated a previous transaction ID.

System action
No system action occurs for the CHECK command. However, the first transaction in the message is ignored if the definitions are installed.

User response
Determine why the duplication exists and rectify the problem.

Module:
DFHAMP

Destination
Terminal End User

DFHAM4861 W  applid XTRANID of transaction tranid in group grpname duplicates transaction ID tranid in group grpname.

Explanation
The check command found a transaction tranid in group grpname whose XTRANID duplicated a previous transaction ID.

System action
No system action occurs for the CHECK command. However, the alias is ignored if the definitions are installed.

User response
Determine why the duplication exists and rectify the problem.

Module:
DFHAMP

Module:
DFHAMP

DFHAM4863 I  applid name is now locked. No group or list of that name exists.

Explanation
The LOCK command executed successfully, but no group or list of name name was found on the CSD file.

System action
The name is locked.

User response
None.

Module:
DFHAMP
**Explanation**

The system initialization table (SIT) used for CICS initialization contains a GRPLIST parameter, but CICS cannot use the CSD file for one of the following reasons:

1. The startup JCL does not contain the definition of the CSD file (DFHCSD).
2. The DDNAME or data set name of the CSD file is incorrectly coded in the startup JCL.
3. VSAM has diagnosed that the CSD file cannot be opened.
4. CICS file control cannot open DFHCSD because insufficient storage has been allocated by the job REGION= parameter.

**System action**

CICS terminates.

**User response**

The action to solve the problem depends on the cause as follows:

1. Correct the JCL.
2. Correct the JCL.
3. Check the system operator's console for VSAM messages, and correct all VSAM errors.
4. Increase the size limit of the DSAs or EDSAs.

**Module:**

DFHAMP

**XMEOUT parameters/Message inserts**

1. applid

---

**Explanation**

The system initialization table (SIT) used for CICS initialization contains a GRPLIST parameter. However, CICS cannot get read access to the CSD file because another region is accessing it, and the CSD cluster is defined to VSAM with either SHAREOPTIONS(1) or SHAREOPTIONS(2).

**System action**

CICS terminates.

**User response**

Determine why a second CICS region is attempting to write to the CSD. See the Configuring for further details.

**Module:**

DFHAMP

**XMEOUT parameters/Message inserts**

1. applid

---

**Explanation**

The user has attempted to change the contents of a group or list whose name begins with "DFH". These are IBM-protected.

**System action**

The command is not executed.

**User response**

You can copy from IBM-supplied groups or lists and change the copied group or list.

**Module:**

DFHAMP

---

**Explanation**

File name DFHCSD is reserved and must not be modified.

**Module:**

DFHAMP
You cannot define the CSD on the CSD itself.

The command is not executed.

Define DFHCSD via SIT options.

DFHAM4868 W
applid The LSRPOOLNUM of the LSRPOOL lsrname in group grpname duplicates that of LSRPOOL lsrname in group grpname.

When invoking the CEDA CHECK command, an LSRPOOL definition lsrname in group grpname was found which duplicated the LSRPOOLNUM of another LSRPOOL.

Processing continues.

Determine why the duplication exists and rectify the problem.

DFHAM4869 E
applid Single resource install of restype resname in group grpname is not allowed.

The install of restype resname is not allowed via single resource install. It must be installed via group install.

The command is not executed.

DFHAM4870 E
applid Install failed for program proiname - language RPG is not supported under MVS.

The GRPLIST parameter of the system initialization table (SIT) names a list in which a group contains a program proiname that was defined with LANGUAGE(RPG).

Processing continues. The definition in error is ignored.

Redefine program proiname with the correct LANGUAGE definition.

DFHAM4871 W
applid File filename has been installed but set filename failed.

Setting DSNAME and ENABLED takes place separately from the main part of INSTALL for a FILE, and can fail.

The file is installed but its state is not set.

Use the CEMT SET FILE command.
Module: DFHAMP

**XMEOUT parameters/Message inserts**

1. applid
2. filename
3. filename

**Destination**

Console and Terminal End User

**Explanation**

DFHAMP was unable to connect to the CICS catalog for terminal installs.

**System action**

CICS terminates.

**User response**

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHAMP

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console and Terminal End User

**Explanation**

DFHAMP was unable to disconnect the CICS catalog for terminal installs.

**System action**

CICS terminates.

**User response**

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHAMP

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console and Terminal End User

**Explanation**

DFHAMP was unable to connect to the CICS catalog.

**System action**

CICS terminates.

**User response**

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHAMP

**XMEOUT parameters/Message inserts**

1. applid

**Explanation**

An attempt to install the resource rsrce-name1 on the CICS system has failed because the attribute attribute-name already exists in the installed resource rsrce-name2.

If the resource being installed is an ENQMODEL, another ENQMODEL with the same or a more generic nested enqname is installed and enabled.

**System action**

Processing continues. The definition is not installed.

**User response**

If you are sure you need to install resource rsrce-name1 you need to discard resource rsrce-name2 before attempting the re-install.
Destination
Console and Terminal End User

**DFHAM4875 E** applid Unable to perform operation: name is currently being updated by APPLID applid OPID opid - please retry later.

**Explanation**
The command which you issued cannot be performed because another user of CEDA is currently changing the contents of the group/list to which you referred.

**System action**
The command is not executed.

**User response**
Try the command again.

**Module:**
DFHAMP

---

Destination
Terminal End User

**DFHAM4876 W** applid PARTNER partnername specifies a NETNAME netname which is not found in any CONNECTION definition that specifies access method = VTAM.

**Explanation**
There is no VTAM connection within the current group for the netname referenced in the specified partner.

**System action**
Other processing continues.

**User response**
None.

**Module:**
DFHAMP

---

Destination
Terminal End User

**DFHAM4878 E** applid Install of {IPCONN} resourcename failed because one with this name is already installed and is in use.

**Explanation**
An attempt to install the resource specified, resourcename, on the CICS system has failed because there is already an existing resource of this name installed and in use.

**System action**
Processing continues. The definition is not installed.

**User response**
The specified resource definition can be replaced or discarded only when it is out of service. Put the resource out of service before attempting to re-install it.

---

**2=TSMODEL,**
**3=ENQMODEL**

7. rsrce-name2
Module: DFHAMP

**XMEOUT parameters/Message inserts**

1. **applid**
2. Value chosen from the following options:
   - 9=IPCONN
3. **resourcename**

**Destination**
Console and Terminal End User

DFHAM4879 W  **applid**  {GROUP | LIST}  **name** has been partially installed.

**Explanation**
During the execution of an INSTALL command for the group or list **name**, some of the elements in the group or list installed successfully, but at least one failed.

**System action**
Messages are produced indicating why the element or elements failed to install.

**User response**
Use the messages already produced to determine why the install failed and to rectify the problem.

Module: DFHAMP

**Destination**
Console and Terminal End User

DFHAM4880 S  **applid**  {GROUP | LIST}  **name** deleted.

**Explanation**
The Group **grpname** has been deleted from the CSD.

**System action**
Processing continues.

**User response**
Check that the deleted group is not present on any list.

Module: DFHAMP

**Destination**
Terminal End User

DFHAM4881 I  **applid**  Group **name** deleted.

**Explanation**
The Group **grpname** has been deleted from the CSD.

**System action**
Processing continues.

**User response**
Check that the deleted group is not present on any list.

Module: DFHAMP

**Destination**
Terminal End User

DFHAM4882 W  **applid**  The {TPNAME | XTPNAME} of transaction **tranid** in group **grpname** duplicates the {TPNAME | XTPNAME} of transaction **tranid** in group **grpname**.

**Explanation**
The CHECK command found a transaction whose XTPNAME matches the TPNAME of another transaction.

**System action**
No system action occurs for the CHECK command, but the XTPNAME or TPNAME for the first transaction in the message is ignored if the definitions are installed.
User response
Determine why the duplication exists. To rectify the problem, rename either the TPNAME or the XTPNAME.
Module:
DFHAMP

Destination
Terminal End User
DFHAM4883 I applid List listname deleted.

Explanation
The List listname has been deleted from the CSD.

System action
Processing continues.

User response
Ensure that the deleted list is not used at a cold or initial start as the GRPLIST DFHSIT parameter.
Module:
DFHAMP

Destination
Terminal End User
DFHAM4884 S applid restype name resname is reserved by CICS.

Explanation
The name resname you have selected for resource type restype is reserved by CICS and cannot be user defined.

System action
The command is rejected.

User response
Redefine resname and resubmit the command.
Module:
DFHAMP

Destination
Terminal End User
DFHAM4885 E applid Install of IPCONN resourcename failed. Duplicate applid applid found.

Explanation
IPCONN resource resourcename was being installed but was found to have the same applid applid as an IPCONN which is already installed.

System action
The resource is not installed; CICS continues.

User response
If you want the definitions to be installed, use CEDA to correct the applid on this IPCONN and then reinstall the definition.
Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. resourcename
3. applid

Destination
Console and Terminal End User
DFHAM4886I applid Installing list listname which matches specified generic list genlist.

Explanation
The GRPLIST parameter of the system initialization table (SIT) specifies a list name genlist that contains generic characters. While searching the CSD file, the list name listname was found to match the specified generic list.

System action
The list name listname is installed.

User response
None.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. listname
3. genlist
**Explanation**

CICS has found an unrecognized resource type code in a CSD record. The unrecognized code does not match any of the function codes in the language definition table. This can occur for one of the following reasons:

1. You are using a CICS release that does not support a type of definition that was created on the CSD file by a later CICS release.
2. The language definition table (DFHEITSP or DFHEITCU) is invalid for this CICS release.
3. The CSD manager (DFHDMP) has passed an invalid CSD record buffer to DFHPUP. This is a CICS internal logic error.

**System action**

The resource is ignored and the operation continues.

**User response**

Determine which of the possible reasons caused the error. If you can eliminate reasons 1 and 2, you can assume that reason 3 applies.

Take action corresponding to the reason you have established as follows:

1. Ignore the message.
2. Ensure that the library contains versions of DFHEITSP and DFHEITCU that are valid for the CICS release you are running.
3. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHAMP

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console and Terminal End User

**Explanation**

During the execution of a DELETE command, the group groupname was deleted from the CSD. As a result of that, the list listname was updated to remove the deleted group from it.

**System action**

Processing continues.

**User response**

None.

**Module:** DFHAMP

**Explanation**

An attempt to install the JOURNALMODEL, TSMODEL, TCPIPSERVICE, CORBASERVER, IPCCONN, or URIMAP named resourcename on the CICS system failed because the attribute attname specified is not valid.

If the attribute is CERTIFICATE, this may be due to one of the following reasons:

- The specified certificate does not exist
- The specified certificate is not properly constructed
- The specified certificate does not have an associated private key
- The specified certificate is not connected to the key ring with a correct USAGE.

**System action**

The definition is not installed.

**User response**

Correct the invalid parameter of the resource definition.

**Module:** DFHAMP
XMEOUT parameters/Message inserts

1. applid
2. Value chosen from the following options:
   1=JOURNALMODEL,
   2=TSMODEL,
   7=TCPIPSERVICE,
   8=CORBASERVER,
   9=IPCONN,
   10=URIMAP
3. resourcename
4. attribute
5. attname

Destination
Console and Terminal End User

DFHAM4890 E  applid Install of TDQUEUE tdqname failed because the TYPE has not been specified.

Explanation
An attempt to install the named TDQUEUE tdqname on the local CICS system failed because it has been defined with the REMOTESYSTEM attribute and the TYPE cannot be determined.

System action
The definition is not installed.

User response
Make the definition a dual purpose one by specifying both REMOTE attributes and TYPE.

Module:
DFHAMP

DFHAM4892 W  DATE TIME APPLID Install for group grpname has completed with errors.

Explanation
The install of group grpname is now complete. All resources that are valid for installation have been installed, and recorded if appropriate, on the CICS catalog. There were errors during the installation of some resources in the group and these resources have been backed-out.

System action
CICS continues. CICS issues messages identifying the cause of each installation failure.

User response
Use the associated messages, available via the messages panel if CEDA is being used, or issued to transient data queues CSMT and CADL during system startup, to determine the cause of the errors. Once the cause of the errors has been eliminated, reinstall the group to install the missing definitions.

Module:
DFHAMP

XMEOUT parameters/Message inserts

1. DATE
2. TIME
3. APPLID
4. grpname
**Destination**

CADL

**Explanation**

The install of group *grpname* is now complete. All resources that are valid for installation have been installed, and recorded if appropriate, on the CICS catalog.

**System action**

CICS continues

**User response**

None

**Module:**

DFHAMP

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *grpname*

**Destination**

CADL

**Explanation**

An attempt to install the resource *rsrcename1* on the CICS system has failed because the resource *rsrcename2* is already installed and is not disabled.

**System action**

Processing continues. The definition is not installed.

**User response**

Resource *rsrcename2* must be disabled or discarded before resource *rsrcename1* can be installed. Ensure that resource *rscename2* is in the required state and then install the new definition.

**Destination**

Console and Terminal End User

**DFHAM4895 E    applid Install of TSMODEL resource_name in group groupname failed because TS was started using an assembled TST without the MIGRATE option.**

**Explanation**

An attempt to install the TSMODEL *resource_name* in group *groupname* on the CICS system has failed because the system was started using an assembled TST without the MIGRATE option.

**System action**

Processing continues. The definition is not installed.

**User response**

If you want to install TSMODELs using RDO then either start CICS with a TST assembled with the TYPE=(INITIAL,MIGRATE) option or don't specify a TST in your SIT parameters.

**Module:**

DFHAMP

**XMEOUT parameters/Message inserts**

1. *applid*
2. *resource_name*
3. *groupname*
DFHAM4896 E  applid  Install of TDQUEUE tdqname failed because the queue is not closed.

Explanation
An attempt to install the transient data queue tdqname on the CICS system has failed because the data set associated with this extrapartition TD queue is not closed.

System action
Processing continues. The definition is not installed.

User response
Intrapartition queues must be disabled, and extrapartition queues must be disabled and closed before they can be redefined. Ensure that the queue is in the required state and then install the new definition.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. tdqname

Destination
Console and Terminal End User

DFHAM4897 W  applid  The definition of {TDQUEUE | TCPIPSERVICE} resourcename specified {OPENTIME=INITIAL | STATUS=OPEN} but the open failed.

Explanation
An attempt to install the resource resourcename on the CICS system has succeeded but the resource cannot be opened.

System action
The definition is installed.

User response
Determine the cause of the failure and then open the resource.

Module:
DFHAMP

DFHAM4898 E  applid  Installation of {TDQUEUE | PROCESSTYPE | LIBRARY | ATOMSERVICE} resourcename failed because of insufficient storage.

Explanation
An attempt to install the resource resourcename on the CICS system has failed because insufficient storage is available to build the entry.

System action
The definition is not installed.

User response
Inform your system programmer. See the Troubleshooting and support for guidance on dealing with storage problems.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. Value chosen from the following options:
   1=TDQUEUE,
   7=TCPIPSERVICE
3. resourcename
4. Value chosen from the following options:
   1=OPENTIME=INITIAL,
   7=STATUS=OPEN
Destination
Console and Terminal End User

DFHAM4899 E applid TDQUEUE tdqname cannot be replaced because the existing definition is for a different queue type.

Explanation
An attempt to install the transient data queue tdqname on the CICS system failed because its definition type is different from that of the definition already defined to the system.

System action
The definition is not installed.

User response
Either change the new definition so that it has the same type as the one currently installed on the system, or discard the current definition and then install the new one.

Module:
DFHAM

XMEOUT parameters/Message inserts
1. applid
2. tdqname

Destination
Console and Terminal End User

DFHAM4900 W DATE TIME APPLID Install of obsolete group grpname detected.

Explanation
The install of obsolete group grpname has been detected.

System action
CICS continues.

User response
Do not install the named group for this release of CICS.

Module:
DFHAM

XMEOUT parameters/Message inserts
1. applid
2. resourcename1
3. resourcename2

Destination
Console and Terminal End User

DFHAM4901 E applid Install of REQUESTMODEL resourcename1 failed because a duplicate pattern already exists in resourcename2.

Explanation
An attempt to install the resource resourcename1 on the CICS system has failed because a duplicate pattern has been found in resourcename2.

System action
The definition is not installed.

User response
Verify the patterns being installed for resource resourcename1 against those for resourcename2 before re-trying the install.

Module:
DFHAM

XMEOUT parameters/Message inserts
1. applid
2. resourcename1
3. resourcename2

Destination
Console and Terminal End User

DFHAM4902 E applid Install of{ CORBASERVER | REQUESTMODEL } resourcename failed because it is not a valid{ CORBASERVER | REQUESTMODEL } for this level of CICS.

Explanation
An attempt to install the resource resourcename on this CICS system has failed because it did not contain the attributes required for the current level of CICS. If the resource being defined was a REQUESTMODEL,
the error is that the corbaserver name was blank. Having a blank corbaserver name indicates that the requestmodel is not at the correct level for this CICS system. If the resource being defined was a CORBASERVER, the error is that the UNAUTH tcpipservice name, which is mandatory for this level of CICS, was missing from the definition.

**System action**
The definition of resource resourcename is not installed.

**User response**
Ensure that you are using the correct level CSD or redefine the resource resourcename using the new attributes as required.

**Module:** DFHAMOP, DFHAMEJ

### XMEOUT parameters/Message inserts
1. applid
2. Value chosen from the following options:
   1. CORBASERVER
   2. REQUESTMODEL
3. resourcename
4. Value chosen from the following options:
   1. CORBASERVER
   2. REQUESTMODEL

### Destination
Console and Terminal End User

---

**Explanation**
The install of TCPIPSERVICE tcpipservice has failed because the service is open.

**System action**
The install fails.

**User response**
Close the service and retry the install.

**Module:** DFHAMP

---

### XMEOUT parameters/Message inserts
1. applid
2. tcpipservice

**Destination**
Console and Terminal End User

**Explanation**
Opening TCPIPSERVICE tcpipservice has failed because the specified port number is in use.

**System action**
The resource is installed but left in the closed state. Message DFHSO0109 is issued to the transient data queue CSOO.

**User response**
Check that the port number specified is not already in use. Refer to the description of the message DFHSO0109 for more information.

**Module:** DFHAMP

---

### XMEOUT parameters/Message inserts
1. applid
2. tcpipservice
3. portno

**Destination**
Console and Terminal End User

**Explanation**
The install of the resource resource has failed because the current CICS system has not been configured to support the specified option opt.

**System action**
The install fails.
User response
Reconfigure the CICS system by specifying appropriate system initialization parameters to support the specified option. Then restart CICS.

Module:
DFHAMDH

XMEOUT parameters/Message inserts
1. applid
2. resource
3. opt

Destination
Console and Terminal End User

DFHAM4906 W  applid Opening TCPIPSERVICE tcpipservice has failed because port portno is not authorized.

Explanation
Opening TCPIPSERVICE tcpipservice has failed because the specified port number is not authorized.

System action
The resource is installed but left in the closed state. The message DFHSO0110 or message DFHSO0117 is written to the transient data queue CSOO.

User response
Select a port that is authorized. See the description of message DFHSO0110 or message DFHSO0117 for more information.

Module:
DFHAM

XMEOUT parameters/Message inserts
1. applid
2. tcpipservice
3. Value chosen from the following options:
   1=IP address,
   2=host

Destination
Console and Terminal End User

DFHAM4908 E  applid Install of DOCTEMPLATE doctemplate1 failed because TEMPLATENAME(template) already exists in DOCTEMPLATE doctemplate2.

Explanation
The install of DOCTEMPLATE doctemplate1 has failed because the TEMPLATENAME selected is already in use as the full template name for document template doctemplate2.
**System action**
The install fails.

**User response**
Either select a different TEMPLATENAME for doctemplate1, or discard the document template definition for doctemplate2.

**Module:**
DFHAMDH

**XMEOUT parameters/Message inserts**
1. applid
2. doctemplate1
3. template
4. doctemplate2

**Destination**
Console and Terminal End User

**Explanation**
The install of DOCTEMPLATE doctemplate failed because member membername was not found in any of the partitioned datasets specified in the ddname concatenation.

**System action**
The install fails.

**User response**
Ensure that member membername exists in one of the template libraries specified before installing the DOCTEMPLATE that references it.

**Module:**
DFHAMDH

**XMEOUT parameters/Message inserts**
1. applid
2. doctemplate
3. membername
4. ddname

**Destination**
Console and Terminal End User

**Explanation**
Transaction tranid was successfully installed but at least one of the specified aliases (ALIAS, TASKREQ or XTRANID) failed to be replaced because it already exists as a primary transaction.

**System action**
The resource is installed but the alias is not.
Find out which of the aliases is conflicting with a primary transaction ID and change its name.

**Module:** DFHAMP

**XMEOUT parameters/Message inserts**
1. **applid**
2. **tranid**

**Destination**
Console and Terminal End User

DFHAM4912 E **applid** Install of resource **resourcename** failed because **attribute** is invalid for this release.

**Explanation**
An attempt to install the resource **resource** named **resourcename** on this CICS system failed because the **attribute** specified is not valid as it is an obsolete attribute.

**System action**
The definition is not installed.

**User response**
Remove the invalid parameter of the resource definition.

**Module:** DFHAMP

**XMEOUT parameters/Message inserts**
1. **applid**
2. **resource**
3. **resourcename**
4. **attribute**

**Destination**
Console and Terminal End User

DFHAM4913 E **applid** Install of **IPCONN** **resourcename** failed because a CONNECTION resource with this name and a different APPLID is already installed.

**Explanation**
An attempt to install the resource specified, **resourcename**, on the CICS system has failed because there is already an existing CONNECTION resource of this name installed that has a different APPLID.

**System action**
Processing continues. The definition is not installed.

**User response**
An IPCONN and a CONNECTION with the same name must represent the same system, so the IPCONN APPLID and the CONNECTION NETNAME must be the same. Establish which is incorrect and re-install.

**Module:** DFHAMP

**XMEOUT parameters/Message inserts**
1. **applid**
2. Value chosen from the following options:
   9=IPCONN
3. **resourcename**

**Destination**
Console and Terminal End User

DFHAM4914 E **applid** Install of **resourcetype** **resourcename** failed. The specified **targetresource** is unusable.

**Explanation**
Resource **resourcename** cannot be installed because the target resource **targetresource** with which it is associated is not usable.

**System action**
The resource is not installed.

**User response**
Discover why the target resource is not usable. It may not exist, or may not have been defined before it is being used. Create or define the referenced target resource.

**Module:** DFHAMP
XMEOUT parameters/Message inserts
1. applid
2. resourcetype
3. resourcename
4. targetresource

Destination
Console and Terminal End User

DFHAM4915 E applid Install of resourcetype resourcename failed. Open for data set dsname has abended.

Explanation
Resource resourcename cannot be installed because an abend occurred when opening the data set dsname that contains it.

System action
The resource is not installed.

User response
Look for an earlier IEC143I, IEC144I, IEC145I, IEC148I, IEC150I, or IEC153I message that explains why the dataset could not be opened. Correct whatever problem is described in the related message.

Module:
DFHAMP

DFHAM4916 E applid TCPIPSERVICE tcpipservice has not been opened because the MAXSOCKETS limit has been reached.

Explanation
TCPIPSERVICE tcpipservice has not been opened because the number of active sockets in the system is equal to the current MAXSOCKETS value.

System action
The resource is installed but left in the closed state.

User response
Determine whether your MAXSOCKETS setting is adequate to handle normal system loads. If it is, then this may be a transient condition caused by a peak in work that uses sockets, and you may be able to use CEMT to open the TCPIPSERVICE once the workload diminishes. If not, use CEMT SET SYSTEM to increase the number of sockets in the system.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. tcpipservice

Destination
Console and Terminal End User

DFHAM4917 W applid { CORBASERVER | TCPIPSERVICE | IPCONN | URIMAP } resourcename was installed with a reduced set of CIPHER codes.

Explanation
The specified resource resourcename was installed but the the set of cipher codes which the resource was originally defined with has been reduced at install time because the running system did not support all of the ciphers specified.

System action
The resource is installed with a reduced set of cipher codes.

User response
Determine whether your CIPHERS setting is acceptable.

Module:
DFHAMP
### Explanation

Resource `resourcename` cannot be installed because the CIPHERS file was not found.

### System action

The resource is not installed.

### User response

Correct the CIPHERS file name.

### Module:

DFHAMP

### XMEOUT parameters/Message inserts

1. `applid`
2. Value chosen from the following options:
   
   - 7= TCPIPSERVICE ,
   - 9= IPCONN ,
   - 10= URIMAP
3. `resourcename`
4. `filename`

### Destination

Console and Terminal End User

---

### Explanation

Resource `resourcename` cannot be installed because all of the cipher codes specified for the resource have been rejected by the running system.

### System action

The resource is not installed.

### User response

Determine what your CIPHERS setting should be for the current MVS system.

### Module:

DFHAMP

### XMEOUT parameters/Message inserts

1. `applid`
2. Value chosen from the following options:
   
   - 7= TCPIPSERVICE ,
   - 9= IPCONN ,
   - 10= URIMAP
3. `resourcename`
4. `filename`

### Destination

Console and Terminal End User

---

### Explanation

The installation of the specified resource `resourcename` has failed because a resource with this name already exists in your running CICS system.

### System action

The resource is not installed.

### User response

For some resources, it is not possible to do an update (add/replace). Select a different resource name which is not known to the system. Or, if you want to use the same resource name, you must discard the resource first. The resource may need to be disabled before it can be discarded or updated.
Module: DFHAMP

XMEOUT parameters/Message inserts

1. applid
2. Value chosen from the following options:
   1= CORBASERVER,
   2= DJAR,
   3= PIPELINE,
   4= WEBSERVICE,
   5= LIBRARY,
   6= BUNDLE,
   7= JVMSERVER
3. resourcename

Destination
Console and Terminal End User

DFHAM4928 E applid Install of {TCPIPSERVICE / CORBASERVER / IPCONN / URIMAP} resourcename failed because the specified certificate attname {is expired / is not yet current / does not have a private key / is not trusted / is not found}.

Explanation
Resource resourcename cannot be installed because the specified certificate is unusable. An explanatory phrase in the message describes why:

is expired
The date and time at which the certificate is no longer valid has already passed.

is not yet current
The date and time at which the certificate is to become active has not yet been reached.

does not have a private key
The specified certificate does not have a private key. SSL with client authentication is only possible if you possess the private key associated with the certificate.

This error may occur if the user does not have access to the private key due to a lack of authority to access IRR.DIGTCERT.GENCERT.

is not trusted
The certificate has been given the NOTRUST attribute by the security administrator. This indicates that the certificate is not to be used.

is not found
The certificate is not found.

System action
The resource is not installed.

User response
Replace the certificate in the keyring with one that is usable, or specify a different certificate.

For a message insert of 'does not have a private key' check the system log for RACF messages that indicate a lack of authority to access IRR.DIGTCERT.GENCERT.

Module: DFHAMP

XMEOUT parameters/Message inserts

1. applid
2. Value chosen from the following options:
   7=TCPIPSERVICE,
   8=CORBASERVER,
   9=IPCONN,
   10=URIMAP
3. resourcename
4. attname
5. Value chosen from the following options:
   1=is expired,
   2=is not yet current,
   3=does not have a private key,
   4=is not trusted,
   5=is not found

Destination
Console and Terminal End User

DFHAM4929 E applid (URIMAP)(resourcename) was not installed because of conflicting attributes.
Explanation
Resource resourcename cannot be installed because the specified attributes are inconsistent. This could indicate an internal problem within CICS, because attribute inconsistencies should be resolved in the RDO DEFINE command.

System action
The resource is not installed.

User response
Remove the conflicting attributes.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. Value chosen from the following options:
   10=URIMAP
3. resourcename

Destination
Console and Terminal End User

DFHAM4930 E   applid URIMAP(urimap1) not installed because it maps the same URI as urimap2.

Explanation
URIMAP urimap1 cannot be installed because it will map the same HOST and PATH (and optional TCPIPSERVICE) as urimap2, which is already installed. Each URIMAP must map a unique combination of these parameters.

System action
The resource is not installed.

User response
Specify a different HOST, PATH, or TCPIPSERVICE attribute.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. resourcename
3. Value chosen from the following options:
   2=WSBIND file,
   3=PIPELINE

Destination
Console and Terminal End User

DFHAM4931 E   applid The installation of WEBSERVICE resourcename failed because the associated {WSBIND file | PIPELINE} does not exist.

Explanation
WEBSERVICE webservice cannot be installed because the associated PIPELINE cannot be found.

System action
The resource is not installed.

User response
Ensure that the PIPELINE definition is correct and the PIPELINE is installed.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. resourcename
3. Value chosen from the following options:
   2=WSBIND file,
   3=PIPELINE

Destination
Console and Terminal End User

DFHAM4932 E   applid The installation of {PIPELINE | WEBSERVICE} resourcename failed because the {zFS file | PIPELINE} setup was not correct.

Explanation
WEBSERVICE webservice or PIPELINE pipeline cannot be installed because of setup errors. Either the zFS file does not have the correct authorization or the PIPELINE mode is not correct.

System action
The resource is not installed.
User response
Ensure that the zFS file definitions of the pipeline and webservice are correct.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. Value chosen from the following options:
   3=PIPELINE,
   4=WEBSERVICE
3. resourcename
4. Value chosen from the following options:
   2=zFS file,
   3=PIPELINE

Destination
Console and Terminal End User

DFHAM4933 E  applid The installation of PIPELINE resourcename failed because the WSDIR file specified is not accessible.

Explanation
PIPELINE pipeline cannot be installed because the WSDIR specified is not correct and therefore the directory cannot be accessed.

System action
The resource is not installed.

User response
Ensure that the zFS file definitions of the WSDIR are correct, remembering that case is significant.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. resourcename

Destination
Console and Terminal End User

DFHAM4934 E  applid The installation of URIMAP resourcename failed because HOSTCODEPAGE hcodepage is not valid in combination with CHARACTERSET charset.

Explanation
The URIMAP resource resourcename cannot be installed because the specified attributes are inconsistent. Most inconsistencies are eliminated at resource definition time. However, for a URIMAP resource, the consistency between the value specified for the HOSTCODEPAGE attribute and that specified for the CHARACTERSET attribute cannot be determined until install time.

System action
The resource is not installed.

User response
Check that the combination of CHARACTERSET and HOSTCODEPAGE values specified for the URIMAP is supported by the CICS system on which you are attempting to install the resource resourcename.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. resourcename
3. hcodepage
4. charset

Destination
Console and Terminal End User

DFHAM4935 E  applid Install of {TCPIPSERVICE | CORBASERVER | IPCCONN | URIMAP} resourcename failed because the KEYRING has no default certificate.

Explanation
The specified resource resourcename is not installed because no certificate label was specified in the CERTIFICATE attribute, and no default certificate exists in the keyring for this CICS system.

System action
The resource is not installed.
User response

Either specify a valid certificate label in the CERTIFICATE attribute for resourcename, or designate one of the certificates in the keyring as a default.

If you are using the z/OS Security Server (RACF) you designate a certificate as default using the RACDCERT command.

Note:
Whenever you change a keyring, either by adding or removing certificates, or by changing a certificate’s status to or from default, the changes are not reflected in CICS until you restart the CICS address space.

Module:
DFHAMP

XMEOUT parameters/Message inserts

1. applid
2. Value chosen from the following options:
   7=TCPIPSERVICE,
   8=CORBASERVER,
   9=IPCONN,
   10=URIMAP
3. resourcename

Destination

Console and Terminal End User

DFHAM4936 E  applid The installation of BUNDLE resourcename failed because the manifest found was not valid.

Explanation

BUNDLE resourcename cannot be installed because the manifest found was not valid.

System action

The resource is not installed.

User response

Ensure that the manifest in the bundle’s root directory is valid.

Module:
DFHAMP

XMEOUT parameters/Message inserts

1. applid

DFHAM4938 W  applid BUNDLE resourcename has been installed as disabled because one or more of its associated resources failed to install.

Explanation

One or more of BUNDLE resourcename's associated resources have failed to install properly.

System action

The resource is installed as disabled.

User response

Examine any error messages issued on the log to determine the cause of the installation failure of any associated resources.

Module:
DFHAMP
XMEOUT parameters/Message inserts
1. applid
2. resourcename

Destination
Console and Terminal End User

DFHAM4939 E applid The installation of ATOMSERVICE resourcename failed due to a configuration error.

Explanation
ATOMSERVICE resourcename cannot be installed because it could not be configured successfully.

System action
The resource is not installed.

User response
Ensure that the CONFIGFILE defined for ATOMSERVICE resourcename is correct.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. resourcename

Destination
Console and Terminal End User

DFHAM4940 E applid Install of MQCONN mqconn-name failed because an MQCONN is already installed and is in use.

Explanation
An attempt to install the MQCONN mqconn-name on the CICS system has failed because there is an existing MQCONN installed and it is in use by the CICS-MQ adapter.

System action
Processing continues. The definition is not installed.

User response
Only one MQCONN can be installed on the CICS system at a time. The install of a second MQCONN implies the discarding of the first MQCONN and its associated MQINI.

An MQCONN definition can be replaced or discarded only when it is not in use by the CICS-MQ adapter. Ensure that the CICS-MQ interface has been stopped before trying to install an MQCONN definition.

Module:

XMEOUT parameters/Message inserts
1. applid
2. mqconn-name

Destination
Console and Terminal End User

DFHAM4941 E applid The installation of {ATOMSERVICE} resourcename failed because the {CONFIGFILE / BINDFILE} does not exist.

Explanation
The specified resourcename cannot be installed because the UNIX System Services file specified as the CONFIGFILE or BINDFILE does not exist.

System action
The resource is not installed.

User response
Ensure that the appropriate file is defined.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. Value chosen from the following options:
   1=ATOMSERVICE
3. resourcename
4. Value chosen from the following options:
   1=CONFIGFILE,
   2=BINDFILE

Destination
Console and Terminal End User
The installation of {ATOMSERVICE} resourcename failed because CICS does not have authority to access the {CONFIGFILE | BINDFILE}.

**Explanation**
The specified resourcename cannot be installed because the CICS region user ID does not have permission to access the UNIX System Services file specified as the CONFIGFILE or BINDFILE.

**System action**
The resource is not installed.

**User response**
Correct the invalid CONFIGFILE or BINDFILE. If the failure is for a URIMAP then it could be caused by the same path being specified in another URIMAP installed in CICS.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. applid
2. Value chosen from the following options:
   11=ATOMSERVICE
3. resourcename
4. Value chosen from the following options:
   1=CONFIGFILE,
   2=BINDFILE,
   3=URIMAP

**Destination**
Console and Terminal End User

The installation of {ATOMSERVICE} resourcename failed because the associated {CONFIGFILE | BINDFILE | URIMAP} is invalid.

**Explanation**
The specified resourcename cannot be installed because the associated CONFIGFILE, BINDFILE or URIMAP was found to be invalid.

**System action**
The resource is not installed.

**User response**
Correct the invalid CONFIGFILE or BINDFILE. If the failure is for a URIMAP then it could be caused by the same path being specified in another URIMAP installed in CICS.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. applid
2. Value chosen from the following options:
   11=ATOMSERVICE
3. resourcename
4. Value chosen from the following options:
   1=CONFIGFILE,
   2=BINDFILE,
   3=URIMAP

**Destination**
Console and Terminal End User

DFHAM4943 E applid JVMSERVER resourcename has been installed with fewer threads than requested on its definition.

**Explanation**
The specified JVMSERVER resourcename was installed with fewer threads than the requested THREADLIMIT value on its resource definition.

**System action**
The resource is installed with limited threads.

**User response**
Ensure that you have the correct THREADLIMIT specified on the JVMSERVER definition. If the THREADLIMIT is correct, consider lowering the THREADLIMIT value of other installed JVMSERVERs so that this JVMSERVER can acquire more threads.

**Module:**
DFHAMP

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**System action**
The resource is not installed.

**User response**
Either specify the name of a different file to which the CICS region user ID has access, or use the file authorization facilities of UNIX System Services (such as the chmod command) to grant permission to the CICS region user ID to access the specified file.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. applid
2. Value chosen from the following options:
   6=BUNDLE
3. resourcename

**Explanation**
The specified resource cannot be installed because an unexpected error occurred.

**System action**
The resource is not installed.

**User response**
Review any other error messages that have been issued, and take appropriate action. If the problem persists, contact your IBM support representative for further assistance.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. applid
2. Value chosen from the following options:
   6=BUNDLE
3. resourcename

**Explanation**
The specified resource cannot be installed because an unexpected error occurred.

**System action**
The resource is not installed.

**User response**
Review any other error messages that have been issued, and take appropriate action. If the problem persists, contact your IBM support representative for further assistance.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. applid
2. Value chosen from the following options:
   6=BUNDLE
3. resourcename

**Explanation**
The specified resource cannot be installed because an unexpected error occurred.
Destination
Console and Terminal End User

DFHAM4948E applid Installation of resourcetype resources is not supported on this release. CICS Transaction Server Version version.release was the last release to support this type of resource.

Explanation
Definitions of resourcetype resources cannot be installed on this release. CICS Transaction Server Version version.release was the last release to support this type of resource.

System action
The resource is not installed.

User response
Review your use of these resources.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. resourcetype
3. version.release

Destination
Console and Terminal End User

DFHAM4949 E applid BUNDLE definition failed because restype resname has already been installed.

Explanation
An attempt was made to install BUNDLE defined resource restype resname on the CICS system. The installation failed because the resource has already been installed.

System action
No definitions have been installed.

User response
Discard the currently installed resource to install the new resource definition.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. restype
3. resname

Destination
Console and Terminal End User

DFHAM4950E applid The installation of {BUNDLE} resourcename failed because the BASESCOPE attribute is invalid.

Explanation
The specified resourcename cannot be installed because the BASESCOPE attribute is invalid.

System action
The resource is not installed.
User response
Ensure the BASESCOPE attribute is well formed for defined formats and reinstall the resource.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. Value chosen from the following options:
   6=BUNDLE
3. resourcename

Destination
Console and Terminal End User

DFHAM4952 E applid The installation of standalone CICS bundle resourcename failed because its ID and version are a duplicate of a standalone CICS bundle that already exists.

Explanation
The installation of the specified resource resourcename has failed because your running CICS system already contains a CICS bundle with the same ID and version that was not installed as part of an application or platform.

System action
The resource is not installed.

User response
The existing bundle must be discarded before the new bundle can be created. Refer to message DFHRL0125, which is written to the transient data queue CRLO, to determine the bundle ID and version of the duplicate bundle.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. restype
3. resname

Destination
Console and Terminal End User

DFHAM4953 E applid Installation failed because restype resname has already been loaded from a BUNDLE resource.

Explanation
An attempt was made to install resource definition restype resname on the CICS system, but the installation failed because the resource has already been loaded from a LIBRARY installed by a BUNDLE resource.

System action
No definitions have been installed.

User response
Discard the currently installed resource to install the new resource definition.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. restype
3. resname

Destination
Console and Terminal End User

DFHAM4954 W applid The installation of {URIMAP} resourcename is successful, but no certificate label was specified in the CERTIFICATE attribute, and no default certificate exists in the keyring for this CICS system.

Explanation
The specified URIMAP resourcename is installed successfully, but no certificate label was specified in the CERTIFICATE attribute, and no default certificate exists in the keyring for this CICS system.

System action
The URIMAP resource is installed without a certificate supplied.

User response
Determine whether your CERTIFICATE setting is acceptable.
Module: DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. Value chosen from the following options:
   10=URIMAP
3. resourcename

Destination
Console and Terminal End User

DFHAM4956 E applid Opening TCPIPSERVICE tcpipservice has failed because its specific TCPIPSERVICE speciftcps is not installed.

Explanation
Opening TCPIPSERVICE tcpipservice has failed because the specific TCPIPSERVICE speciftcps it requires is not installed.

System action
The resource is installed but left in the closed state.

User response
Open the specific TCPIPSERVICE before attempting to open this resource.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. tcpipservice
3. speciftcps

Destination
Console and Terminal End User

DFHAM4957 E applid Opening TCPIPSERVICE tcpipservice has failed because its specific TCPIPSERVICE speciftcps is not open.

Explanation
Opening TCPIPSERVICE tcpipservice has failed because the specific TCPIPSERVICE speciftcps it requires is not open.

System action
The resource is installed but left in the closed state.

User response
Install and open the specific TCPIPSERVICE before attempting to open this resource.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. tcpipservice
3. speciftcps

Destination
Console and Terminal End User

DFHAM4958 E applid Opening TCPIPSERVICE tcpipservice has failed because its specific TCPIPSERVICE speciftcps is in use by another TCPIPSERVICE.

Explanation
Opening TCPIPSERVICE tcpipservice has failed because the specific TCPIPSERVICE speciftcps it requires is currently associated with another generic TCPIPSERVICE. Only one generic TCPIPSERVICE can use a specific TCPIPSERVICE at any time.

System action
The resource is installed but left in the closed state.

User response
Modify this TCPIPSERVICE so that it includes the name of a different specific TCPIPSERVICE and reinstall it.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. tcpipservice
3. speciftcps

Destination
Console and Terminal End User
DFHAM4959 E applid Opening TCPIPSERVICE tcpipservice has failed because its specific TCPIPSERVICE speciftcps has different security settings.

**Explanation**
Opening TCPIPSERVICE tcpipservice has failed because the specific TCPIPSERVICE speciftcps has different security settings. Both resources must have identical security settings for the open to succeed.

**System action**
The resource is installed but left in the closed state.

**User response**
Modify the security settings in one of these resources and reinstall it.

**Module:**
DFHAMP

---

**XMEOUT parameters/Message inserts**
1. applid
2. tcpipservice
3. speciftcps

**Destination**
Console and Terminal End User

---

DFHAM4960 E applid Opening TCPIPSERVICE tcpipservice has failed because its specific TCPIPSERVICE speciftcps is not one in use as a specific IPIC end point.

**Explanation**
Opening TCPIPSERVICE tcpipservice has failed because the specific TCPIPSERVICE speciftcps is not one in use as an IPIC specific end point. Generic TCPIPSERVICEs must reference a TCPIPSERVICE that is a specific IPIC end point for the local region.

**System action**
The resource is installed but left in the closed state.

**User response**
Modify the SPECIFTCPS attribute in the resource definition, so that it names a TCPIPSERVICE that can be used as a specific IPIC end point, and reinstall it.

**Module:**
DFHAMP

---

**XMEOUT parameters/Message inserts**
1. applid
2. resourcename

**Destination**
Console and Terminal End User

---

DFHAM4961 E applid The installation of JVMSERVER resourcename failed because the PROFILEDIR specified is too long.

**Explanation**
JVMSERVER jvmserver cannot be installed because the PROFILEDIR specified is longer than the maximum length of 240 characters and therefore the profile cannot be accessed.

**System action**
The resource is not installed.

**User response**
Place the profile directory in a directory with a shorter name.

**Module:**
DFHAMP

---

DFHAM4962 E applid Install of MQMONITOR mqmon-name failed because an MQMONITOR with the same name is already installed and is in use.

**Explanation**
An attempt to install the MQMONITOR mqmon-name on the CICS system has failed because there is an existing MQMONITOR installed and it is in use.
System action
Processing continues. The definition is not installed.

User response
The specified resource definition can be replaced or discarded only when it is not started or enabled. Disable and stop the resource before attempting to re-install it.

Module:

XMEOUT parameters/Message inserts
1. applid
2. mqmon-name

Destination
Console and Terminal End User

**DFHAM4963 E** applid Install of MQMONITOR mqmon-name failed because an MQCONN is not installed.

Explanation
An attempt to install MQMONITOR name on the CICS system failed because there is no MQCONN installed. MQMONITORs can be installed only after an MQCONN has been installed.

System action
Processing continues. The definition is not installed.

User response
Install an MQCONN definition and then retry the install of the MQMONITOR.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. mqmon-name

Destination
Console and Terminal End User

**DFHAM4964 W** DATE TIME APPLID Install of obsolete group grpname from list listname detected.

Explanation
The install of obsolete group grpname has been detected.

System action
CICS continues.

User response
Remove the group from the named list used for this release of CICS.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. DATE
2. TIME
3. APPLID
4. grpname
5. listname

Destination
CADL

**DFHAM4965 E** applid Install of MQMONITOR mqmon-name failed because a value for MONUSERID has not been specified.

Explanation
An attempt to install MQMONITOR name on the CICS system failed because a value for MONUSERID has not been specified.

System action
Processing continues. The definition is not installed.

User response
Provide a value for MONUSERID then retry the install of the MQMONITOR.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. mqmon-name
Destination
Console and Terminal End User

DFHAM4966 E applid Install of MQMONITOR mqmon-name failed because the current user is not a surrogate of MONUSERID.

Explanation
An attempt to install MQMONITOR name on the CICS system failed because the current user is not authorized to either install the MQMONITOR or start the associated transaction.

System action
Processing continues. The definition is not installed.

User response
Correct the security definitions then retry the install of the MQMONITOR.

Module:
DFHAM

XMEOUT parameters/Message inserts
1. applid
2. mqmon-name

Destination
Console and CADL

DFHAM4968 I date time applid One or more attributes of resourcetype 'resourcename' were overridden. Installation continues.

Explanation
Override values from the resource overrides file were applied to one or more of the attributes of the resourcetype resource resourcename.

System action
CICS attempts to modify the resource definition.

User response
None.

Module:
DFHAMAO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. resourcetype
5. resourcename

Destination
CSMT

DFHAM4967 E DATE TIME APPLID Obsolete LE definitions detected. CICS will terminate.

Explanation
CICS has detected use of obsolete LE definitions installed from CEE group. CEE group must not be used as CICS will system autoinstall the required definitions.

System action
CICS terminates.

User response
Refer to the earlier message DFHAM4964 to determine which group list contains the CEE group. Remove the CEE group from the group list. Also do not install CEE group via CEDA.

Module:

DFHAM4969 E date time applid resourcetype 'resourcename' failed to install because overrides applied to the resource resulted in an invalid resource definition.

Explanation
Override values from the resource overrides file were applied to one or more attributes of the resourcetype resource resourcename. However, the
resulting resource definition is invalid and cannot be installed.

**System action**
Installation of the resource fails.

**User response**
Refer to the earlier DFHCAnnnn messages for details of the error found in the overridden resource definition.

**Module:**
DFHAMAO

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. resourcetype
5. resourcename

**Destination**
CSMT

**DFHAM4970 I**

| date | time | applid | Override value 'attributevalue' was applied to attributename attribute of resourcetype 'resourcename'. |

**Explanation**
The override value attributevalue from the resource overrides file was applied to the resource definition attribute attributename of the resourcetype resource resourcename.

**System action**
Installation of the resource continues.

**User response**
None.

**Module:**
DFHAMAO

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. attributevalue

**Destination**
CSMT

**DFHAM4971 E**
applid Resource overrides applied during GRPLIST installation resulted in invalid resource definitions. CICS terminating.

**Explanation**
Overrides from the resource overrides file were applied to resource definitions during GRPLIST installation, but one or more of the resulting resource definitions was found to be invalid.

**System action**
CICS terminates.

**User response**
Refer to earlier DFHCAnnnn messages for details of the errors found after applying the resource overrides. Correct the specified overrides in the resource overrides file and restart CICS.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. applid

**Destination**
Console

**DFHAM4972 E**

| date | time | applid | Override rule with {prefix | suffix} action for attribute attributename of resourcetype resource resourcename is invalid. Initial attribute value is a null string. |

**Explanation**
Override rule for the specified resource with the prefix or suffix override action cannot complete because the attribute attributename is either not defined or has a null value.
System action
Installation of the resource fails. If this error occurs during GRPLIST installation CICS will be abnormally terminated with the message DFHSI1612.

User response
Correct the attribute or remove the resource override in the resource overrides file and restart CICS.

Module:
DFHAMAO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=prefix,
   2=suffix
5. attributename
6. resourcetype
7. resourcename

Destination
CSMT

DFHAM4973 E  date time applid Override rule with {prefix | suffix | find/replace} action for resourcetype resourcename attribute attributename results in an attribute value that is too long.

Explanation
Override rule for the specified resource that specifies the prefix, suffix, find or replace override action for the specified character attribute results in an attribute value that is greater than its permitted maximum length.

System action
Installation of the resource fails. If this error occurs during GRPLIST installation CICS is then abnormally terminated with message DFHSI1612.

User response
Correct or remove the override rule in the resource overrides file and restart CICS.

Module:
DFHAMAO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=prefix,
   2=suffix
   3=find/replace
5. resourcetype
6. resourcename
7. attributename

Destination
CSMT

DFHAM4999 E  applid Install of resourcetype resources is not supported.

Explanation
An attempt to install resource type resource on this CICS system is not possible as the code for install has been disabled for this resource type.

System action
Processing continues. The definition is not installed.

User response
You may define resource definitions for resource resource but until full support is available, you cannot INSTALL them.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. resourcetype

Destination
Console and Terminal End User
DFHAPnnnnn messages

DFHAP0001  **applid** An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.

**Explanation**

An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in CICS code.

Alternatively:

- Unexpected data has been input,
- Storage has been overwritten, or
- There has been a program check within a user program.

The code *aaa* is, if applicable, a 3-digit hexadecimal MVS system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The 4-digit code *bbbb*, which follows *aaa*, is a user abend code produced either by CICS or by another product on the user’s system.

If *X'offset'* contains the value *X'FFFF'* , then module *modname* was in control at the time of the abend, but the program status word (PSW) was not addressing this module.

**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer.

Look up the MVS code *aaa*, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

If the *modname* insert contains the value *????*, then CICS was unable to determine which module has abnormally terminated. In this case, examine the system dump to determine which area of code has caused the program check.

The user should examine other messages to determine what the module which issued this message was doing at the time the abend occurred. From these messages they can deduce which product has produced the abend code *bbbb*. If *bbbb* is identified as a CICS code, it may be either alphameric or numeric.

- If the CICS code is alphameric (for example AKEA) then it is a CICS transaction abend code.
- If the CICS code is numeric (for example 1310), it refers to a CICS message (DFHTS1310 in our example).

If the user abend code is from another product (for example, IMS), refer to the appropriate messages and codes manual to determine the cause of the abend.

The entries in the appropriate manuals will give the user guidance regarding the nature of the error, and may also give some guidance concerning the appropriate user response.

**Note:**

The program check may have occurred in a user program. If this is the case, the program check is usually followed by an ASRA or an ASRB transaction abend and a transaction dump.

If you want to suppress system dumps that precede ASRA and ASRB abends, you must specify this on an entry in the dump table, using either CEMT or an EXEC CICS command. Further guidance on suppressing system dumps can be found in the Configuring.

You may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHABAB, DFHAPDM, DFHAPDN, DFHAPEX, DFHAPIQ, DFHAPJC, DFHAPNT, DFHAPSM, DFHAPST, DFHAPSI, DFHAPYP, DFHAPXM, DFHAPXME, DFHDKMR, DFHEDFE, DFHEISR, DFHICXM, DFHMRXM, DFHSAIQ, DFHSIPLT, DFHSPR, DFHSSTD, DFHSTFC, DFHSTLK, DFHSTLS, DFHSTSZ, DFHSTTD, DFHSTTM, DFHSTTR, DFHSTTS, DFHSUEX, DFHTDXM, DFHTMP, DFHTSUT, DFH62XM

**XMEOUT parameters/Message inserts**

1. applid
2. *aaa/bbbb*
3. *X'offset'*
4. *modname*
Destination
Console

DFHAP0002  applid A severe error (code X'code') has occurred in module modname.

Explanation
An error has been detected in module modname. The code X'code' is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System action
An exception entry is made in the trace table (X'code' in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

If this message is issued from DFHAPEX or DFHSUEX, and the exit point is XDUREQ, then a system dump is not taken in order to prevent recursive dumping.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system administrator. This failure indicates a serious error in CICS. If you have not requested termination in the dump table, you may want to terminate CICS. For further information about CICS exception trace entries, see the Troubleshooting and support.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHABAB, DFHAPDM, DFHAPDN, DFHAPEX, DFHAPJC, DFHAPLI, DFHAPLJ, DFHAPSI, DFHAPSIP, DFHAPSM, DFHAPST, DFHAPTI, DFHAPTIM, DFHAPTIX, DFHAPXM, DFHAPXME, DFHDKMR, DFHERM, DFHEISR, DFHICXM, DFHPCPG, DFHSIPLT, DFHSTD, DFHSTFC, DFHSTJC, DFHSTLK DFHSTLS, DFHSTSZ, DFHSTTD, DFHSTTM, DFHSTTR, DFHSTTS, DFHSU, DFHSUZ, DFHTMP, DFHTDM, DFHE, DFHXCPA, DFHXSWM, DFHZCUT

XMEOUT parameters/Message inserts
1. applid
2. X'code'

Destination
Console

DFHAP0003  applid Insufficient storage (code X'code') in module modname.

Explanation
A CICS GETMAIN was issued by module modname, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point id which uniquely identifies the place where the error was detected.

System action
An exception entry is made in the trace table (code X'code' in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHMDM). A message will be issued to this effect. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Inform the system programmer.

Try increasing the size of the DSA or EDSA. See the Configuring or the Developing system programs for CICS for further information on controlling CICS storage.

You may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHAPDM, DFHAPSIP

XMEOUT parameters/Message inserts
1. applid
2. X'code'
3. modname

Destination
Console
DFHAP0004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation
A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

If this message is issued from DFHAPEX or DFHSUEX, and the exit point is XDUREQ, then a system dump is not taken in order to prevent recursive dumping.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the module modname will be terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHAPDM, DFHAPDN, DFHAPEX, DFHAPIQ, DFHAPJC, DFHAPSM, DFHAPST, DFHAPSI, DFHAPXM, DFHAPXME, DFHDKMR, DFHEDFE, DFHEISR, DFHICXM, DFHSAIQ, DFHSIPLT, DFHSTDT, DFHSTFC, DFHSTJC, DFHSTLK, DFHSTLS, DFHSTSZ, DFHSTTD, DFHSTTM, DFHSTTR, DFHSTTS, DFHSUEX, DFHTDXM, DFHTSUT

XMEOUT parameters/Message inserts
1. applid
2. X'offset'
3. modname

Destination
Console

DFHAP0005 applid A hardware error has occurred (module modname, code X'code'). MVS Store Clock found inoperative.

Explanation
A hardware error has occurred during the running of module modname. The MVS store clock facility is the timing mechanism for the operating system.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

System action
An exception entry (code code in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Investigate the MVS store clock to determine whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.
In the unlikely event that this is not a hardware problem, you need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHZCUT

**XMEOUT parameters/Message inserts**

1. applid
2. modname
3. X'code'

**Destination**
Console

**DFHAP0006** *applid* An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname* of application *application*, version *applversion*, on platform *platform*.

**Explanation**

An abnormal end (abend) or program check has occurred in module *modname* of application *application*, version *applversion*, on platform *platform*. This implies that there may be an error in CICS code.

Alternatively:

- Unexpected data has been input,
- Storage has been overwritten, or
- There has been a program check within a user program.

The code *aaa* is, if applicable, a 3-digit hexadecimal MVS system completion code (for example, OC1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The 4-digit code *bbbb*, which follows *aaa*, is a user abend code produced either by CICS or by another product on the user's system.

If *X'offset'* contains the value *X'FFFF'* then module *modname* was in control at the time of the abend, but the program status word (PSW) was not addressing this module.

**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

**Either** this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

**Or** CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer.

Look up the MVS code *aaa*, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

If the *modname* insert contains the value ?????, then CICS was unable to determine which module has abnormally terminated. In this case, examine the system dump to determine which area of code has caused the program check.

The user should examine other messages to determine what the module which issued this message was doing at the time the abend occurred. From these messages they can deduce which product has produced the abend code *bbbb*. If *bbbb* is identified as a CICS code, it may be either alphameric or numeric.

- If the CICS code is alphameric (for example AKEA) then it is a CICS transaction abend code.
- If the CICS code is numeric (for example 1310), it refers to a CICS message (DFHTS1310 in our example).

If the user abend code is from another product (for example, IMS), refer to the appropriate messages and codes manual to determine the cause of the abend.

The entries in the appropriate manuals will give the user guidance regarding the nature of the error, and may also give some guidance concerning the appropriate user response.

**Note:**

The program check may have occurred in a user program. If this is the case, the program check is usually followed by an ASRA or an ASRB transaction abend and a transaction dump.

If you want to suppress system dumps that precede ASRA and ASRB abends, you must specify this on an entry in the dump table, using either CEMT or an EXEC CICS command. Further guidance on suppressing system dumps can be found in Configuring.

You may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHSRP
XMEOUT parameters/Message inserts

1. applid
2. aaa/bbbb
3. X'offset'
4. modname
5. application
6. applversion
7. platform

Destination
Console

**DFHAP0100**  *applid* Suffixed module *modname* cannot be loaded. Enter new suffix, YES(unsuffix), NONE(dummy), or CANCEL

Explanation
During AP domain initialization, a suffixed CICS module or table could not be loaded. This message is issued for all suffixable modules which cannot be located after CANCEL has been specified in response to a preceding DFHAP0100 message.

System action
The AP domain initialization continues until the end of the nucleus load process. CICS is then abnormally terminated with a dump.

User response
Determine whether the suffix is correct. If it is not, either correct the SIT or name the correct suffix via an override for the next initialization of CICS. Otherwise correct the error by adding the module to the appropriate library.

**Module:**
DFHSIB1

XMEOUT parameters/Message inserts

1. applid
2. modname

Destination
Console

**DFHAP0360**  *date time* *applid* An attempt to establish security for userid *userid* has failed. SAF codes are (X'safresp', X'safreas'). ESM codes are (X'esmresp', X'esmreas').

Explanation
An attempt was made to establish security for userid *userid* but it was rejected by the external security manager (ESM). Check that the userid has been defined correctly.
System action

Security has not been established for the userid. The attempt to start the transaction has failed.

User response

The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the z/OS MVS Programming: Authorized Assembler Services Guide, and in z/OS Security Server RACROUTE Macro Reference (SC28-1366). See these manuals for an explanation of the codes.

There may be further messages produced by CICS or the external security manager (ESM) which provide more information.

Module:
DFHICXM DFHIEXM

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. X'safresp'
6. X'safreas'
7. X'esmresp'
8. X'esmreas'

Destination
CSCS

DFHAP0501 date time applid Program progname has issued an ADDRESS CSA command that is no longer supported.

Explanation

The program progname has attempted to address the CSA. This function is no longer supported. The address returned is now fetch protected. Any attempt to reference this address results in an abend.

System action

CICS continues.
Module: DFHAPXME

XMEOUT parameters/Message inserts

1. APPLID
2. tranid
3. trannum

Destination

Console

DFHAP0602 APPLID Force purge of transaction ID tranid transaction number trannum has been deferred because the transaction is executing transaction backout.

Explanation

CICS has received a request to force purge a transaction. The target of the force purge request is part way through transaction backout processing (either as a result of an earlier transaction abend, or a syncpoint rollback request). If the purge was accepted at this time, the target transaction would be abended and this would cause CICS to fail with a U0405 abend. There is no way of purging the target transaction while it is in this state. Transactions should only remain in this state for a short period of time, unless the transaction is requesting some data or resource held by some other task in DBCTL. The recovery token may be used to identify which DBCTL thread corresponds to your task. (Issue /DIS CCTL ALL against the relevant DBCTL). One of the other active threads probably holds the resource you are waiting for. A subsequent attempt to force purge the transaction may preempt the deferred abend issued by the system when this condition was detected. This would result in the transaction being purged from the system faster than if the deferred purge is left to take effect.

System action

CICS defers the purge until the target transaction is no longer protected against purge.

User response

Retry the purge after a short interval if the target transaction has not ended.

Note:

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module: DFHAPXME

XMEOUT parameters/Message inserts

1. APPLID
XMEOUT parameters/Message inserts

1. applid
2. tranid
3. trannum
4. X'rtoken'

Destination
Console

DFHAP0604 applid Forcepurge of transaction ID tranid, transaction number trannum, recovery token X'rtoken' has been deferred because the transaction is on a CICS-DB2 ready queue waiting for a thread or TCB to become available.

Explanation
CICS has received a request to forcepurge a transaction. The target of the forcepurge request is queued on a CICS-DB2 ready queue awaiting a DB2 thread or TCB to become available. The target transaction cannot be purged while it is in this state.

If the CEMT INQUIRE TASK panel shows the task with an htype value of 'CDB2TCB', this means the task is awaiting a CICS-DB2 subtask TCB to become available, meaning that the DB2CONN defined TCBLIMIT has been reached.

If the CEMT INQUIRE TASK panel shows the task with an htype value of 'CDB2CONN', this means the task is awaiting a CICS-DB2 connection to become available with which to associate with the CICS open tcb to be used for the request. This indicates that the DB2CONN defined TCBLIMIT has been reached which limits the number of open TCBs that can be used for DB2.

If the htype value is 'CDB2RDYQ', this means the task is awaiting a CICS-DB2 thread to become available, and Hvalue identifies the pool, or the particular DB2ENTRY against which it is queued.

Transactions should remain in these states only for a short time.

System action
CICS defers the forcepurge until the target transaction is no longer protected against purge.

User response
If the task is queued awaiting a CICS-DB2 subtask TCB, you can increase the value of TCBLIMIT in the DB2ENTRY, or in the DB2CONN for the pool.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHAPXME

XMEOUT parameters/Message inserts

1. applid
2. tranid
3. trannum
4. X'rtoken'

Destination
Console

DFHAP0605 applid Db2 Cancel Thread issued for thread threadtoken whilst processing Purge or Forcepurge of transaction number trannum transaction ID tranid.

Explanation
CICS has issued a cancel thread request to Db2 because it has detected that the transaction it is about to purge or forcepurge has a thread active in Db2.

System action
CICS continues with the purge or forcepurge of the transaction.

User response
None.

Module:
DFHEIQSK

XMEOUT parameters/Message inserts

1. applid
2. threadtoken
3. trannum
4. tranid

Destination
Console
**DFHAP0701**  
*applid An abend (code abcode) has occurred in exit program proname at exit point xxxxxxxx.*

**Explanation**
An abnormal end (abend) or program check has occurred in the program **proname**. This implies that there is an error in the error program, that unexpected data has been input, or storage has been overwritten.

The code is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action**
CICS makes an exception entry in the trace table and returns a zero return code to the exit point. CICS also produces a system dump unless:

- You have specifically suppressed dumps in the dump table, or
- The exit point is XDUREQ. No dump is taken in order to avoid recursive dumping.

**Either** CICS continues unless you have specified in the dump table that CICS should terminate.

**Or** This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. If this is the case, a zero return code is returned to the CICS management module.

**User response**
There might be a logic error in the user exit program **proname**. DISABLE the exit program from all exit points, by using the EXITALL operand in the EXEC CICS DISABLE, and correct the error.

For programming information about coding user exit programs see the Developing system programs for CICS.

**Module:**  
DFHSUEX, DFHUEH

**DFHAP0702**  
*applid An abend (code abcode) has occurred in exit program proname at exit point xxxxxxxx because a backlevel XPI call has been made.*

**Explanation**
The global user exit program **proname** has made a backlevel XPI call which has resulted in an 0C4/AKEJ program check.

**System action**
CICS makes an exception entry in the trace table and returns a zero return code to the exit point. After producing this message CICS handles the error as a normal program check within the exit program.

**User response**
Reassemble your global user exit program **proname**. using the current CICS libraries.

For programming information about coding user exit programs see the Developing system programs for CICS.

**Module:**  
DFHUEH

**XMEOUT parameters/Message inserts**

1. **applid**
2. **abcode**
3. **proname**
4. xxxxxxxx

**Destination**  
Console

**DFHAP0703**  
*applid An abend (code abcode) has occurred in exit program proname at exit point xxxxxxxx because a backlevel XPI call has been made.*

**Explanation**
The global user exit program **proname** has made a backlevel XPI call which has resulted in an 0C4/AKEJ program check.

**Module:**  
DFHUEH

**XMEOUT parameters/Message inserts**

1. **applid**
2. **abcode**
3. **proname**
4. xxxxxxxx

**Destination**  
Console
System action
CICS makes an exception entry in the trace table and returns a zero return code to the exit point. CICS also produces a system dump unless:

- The module producing the error message is DFHUEH, or
- You have specifically suppressed dumps in the dump table, or
- The exit point is XDUREQ. No dump is taken in order to avoid recursive dumping.

CICS continues unless you have specified in the dump table that CICS should terminate.

User response
Reassemble your global user exit program `programe`. using the current CICS libraries.

For programming information about coding user exit programs see the Developing system programs for CICS.

Module:
DFHSUEX

XMEOUT parameters/Message inserts

1. `applid`
2. `abcode`
3. `programe`
4. `xxxxxxxx`

Destination
Console

DFHAP0704 `applid` A possible loop has been detected in exit program `programe` at exit point `xxxxxxxx`.

Explanation
The exit program `programe` was in control and the transaction has consumed more CPU time than has been specified in the ICVR. There is probably a loop.

System action
CICS returns a zero return code to the exit point. CICS also produces a system dump unless

- You have specifically suppressed dumps in the dump table, or
- The exit point is XDUREQ. No dump is taken in order to avoid recursive dumping.

User response
There is a probable logic error in the user exit program `programe`. DISABLE the exit program from all exit points by using the EXITALL operand in the EXEC CICS DISABLE, and correct the error.

Refer to the Developing system programs for CICS for further information about coding user exit programs.

If you think there is no loop, you can increase the runaway task time interval in the ICVR by using CEMT. This is explained in the CICS Supplied Transactions manual.

Module:
DFHSUEX, DFHUEH

XMEOUT parameters/Message inserts

1. `applid`
2. `programe`
3. `xxxxxxxx`

Destination
Console

DFHAP0705 W `date time applid` The enable of task related user exit program `programe` has caused CICS to force TASKDATALOC(BELOW) for all transactions.

Explanation
Task-related user exit program `programe` has been enabled with options TASKSTART and LINKEDITMODE, and `programe` has been linkedited AMODE 24. This ensures that it is always invoked in amode 24. An amode 24 task-related user exit program can only be invoked if the calling transaction is defined with TASKDATALOC(BELOW).

By enabling the AMODE 24 task-related user exit for task start, the user has forced CICS to force all subsequent transactions to run with TASKDATALOC(BELOW).

System action
CICS continues, but for the remainder of the CICS run, CICS insists that all transactions run with TASKDATALOC(BELOW).

User response
To avoid all transactions having to run with TASKDATALOC(BELOW), modify the task-related user
exit so that it is capable of running AMODE(31) when invoked for task start.

Ideally the task-related user exit should be modified so that it always runs AMODE 31 for whoever is the caller. In this case the exit program can be linkedited with the AMODE 31 attribute, and enabled with the LINKEDITMODE option. This ensures CICS always invokes it in AMODE 31.

Alternatively the task-related user exit could be modified so it is capable of being invoked in either amode. In this case the exit should be enabled without the LINKEDITMODE option. This means the exit will be invoked in the amode of its caller. For CICS calls such as task start, this will always be AMODE 31, but it does allow the exit to be invoked AMODE 24 for calls from an amode 24 application if this is desired.

See the Defining resources, for more information on the TASKDATALOC option.

See the Developing system programs for CICS for programming information on the LINKEDITMODE option when enabling task-related user exits.

**Module:** DFHUEM

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. progname

**Destination**

CSMT and Console

**DFHAP0706** applid A probable loop has been detected in task related user exit program progname.

**Explanation**

The task related user exit program progname was in control and the transaction has consumed more CPU time than has been specified in the ICVR. There is probably a loop.

**System action**

CICS produces a system dump unless you have specifically suppressed dumps in the dump table.

**User response**

There is a probable logic error in the task related user exit program progname. DISABLE the exit program and correct the error.

Refer to the Developing system programs for CICS for programming information about task-related user exit programs.

If there is no loop, you can avoid this problem by increasing the runaway task time interval in the ICVR using CEMT. This is explained in the CICS Supplied Transactions.

**Module:** DFHERM

**XMEOUT parameters/Message inserts**

1. applid
2. progname

**Destination**

Console

**DFHAP0707** applid An abend (code abcode) has occurred in task related user exit program progname.

**Explanation**

An abnormal end (abend) or program check has occurred in the task related user exit program progname. This implies that there is an error in the exit program, that unexpected data has been input, or storage has been overwritten.

The code is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, X'0C1' or X'D37'). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

The system is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, X'0C1' or X'D37'). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action**

CICS makes an exception entry in the trace table. A system dump is produced if requested via an entry in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.
User response

There might be a logic error in the task related user exit program proname. DISABLE the task related user exit program and correct the error.

For programming information about coding task related user exit programs see the Developing system programs for CICS.

Module:
DFHERM

XMEOUT parameters/Message inserts
1. applid
2. abcode
3. proname

Destination
Console

DFHAP0801I applid z/OS Conversion Services are not available.

Explanation
Character conversion is not possible using z/OS conversion services because these services are not enabled.

System action
CICS continues.

User response
None. You can suppress this message with the system initialization parameter, MSGLVL=0. If z/OS conversion services are to be used by CICS then they must be enabled by following the steps in the z/OS Support for Unicode manual.

Module:
DFHCCNVG

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHAP0802 APPLID Data conversion using CCSID ccсид1 and CCSID ccсид2 is not supported by this system.

Explanation
CICS has received a request to convert some character data from one CCSID encoding to another. This CCSID combination is not currently supported by the region.

System action
The conversion process fails and no data is converted.

User response
If z/OS conversion services are being used then add this CCSID combination to the conversion image and retry the request.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.
**Module:**
DFHCCNVG

**XMEOUT parameters/Message inserts**

1. **APPLID**
2. **ccsid1**
3. **ccsid2**

**Destination**
Console

---

**DFHAP0900**

**applid MQ support for CICS Web Services is not available.**

**Explanation**
An attempt has been made to use WebSphere MQ as the transport for CICS Web Services, but the WebSphere MQ stub CSQCSTUB could not be loaded during CICS Initialization. The WebSphere MQ library CSQCLOAD needs to be included in the DFHRPL concatenation to permit use of WebSphere MQ as a transport for CICS Web Services.

**System action**
The attempt to use WebSphere MQ as a transport for CICS Web Services has been rejected. Any further such attempts will also be rejected, and this message will be produced again.

**User response**
The WebSphere MQ library CSQCLOAD must be included in the DFHRPL concatenation to allow use of WebSphere MQ as a transport for CICS Web Services. This is in addition to the other WebSphere MQ libraries needed for WebSphere MQ support in CICS.

---

**Module:**
DFHPITQ1, DFHPILSQ

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**
Console

---

**DFHAP1007**

**applid A GETMAIN has failed for a resource definition control block code X'code' in module modname.**

**Explanation**
An storage request has failed in module modname. The code X'code' is the exception trace point ID which uniquely identifies the error and where it was detected.

**System action**
An exception entry is made in the trace table (X'code' in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

---

**Module:**
DFHAPRDR, DFHTCRP

**XMEOUT parameters/Message inserts**

1. **applid**
2. **X'code'**
3. **modname**

**Destination**
Console

---

**DFHAP1006**

**applid Resource definition recovery has failed with code X'code' in module modname.**

**Explanation**
An error has been detected in module modname during startup. The code X'code' is the exception trace point ID which uniquely identifies the error and where it was detected.

**System action**
An exception entry is made in the trace table (X'code' in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

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CICS continues unless you have specified in the dump table that CICS should terminate. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system administrator. This failure may indicate that you need to increase the size limits of the EDSAs. EDSA storage limits are specified by the EDSALIM system initialization parameter. See the Configuring for more guidance on EDSALIM. For further information about CICS exception trace entries, see the CICS Diagnostics reference.

**Module:**
DFHAPRDR

**XMEOUT parameters/Message inserts**

1. `applid`
2. `X'code'`
3. `modname`

**Destination**
Console

DFHAP1200  `applid` A CICS request to the Language Environment has failed. Reason code `rc`.

**Explanation**

CICS has attempted to communicate with AD/Cycle Language Environment, but due to an error, the function requested by CICS could not be performed.

**System action**

If the error occurs during system initialization, then the initialization continues but without support for the Language Environment. If the error occurs in a user application program, then the transaction is abnormally terminated.

**User response**


If the error occurs during system initialization, check that the Language Environment modules and the modules required for the languages supported by that environment have been correctly installed. In particular ensure that:

- The interface module CEECCICS has been placed in a library concatenated to the STEPLIB DD statement of the CICS startup job stream
- The required modules in the CSD have been defined (these modules are listed in the file CEESAMP which is supplied with the sample files on the distribution tape).

**Module:**
DFHAPLI

**XMEOUT parameters/Message inserts**

1. `applid`
2. `rc`

**Destination**
Console

DFHAP1203I  `applid` Language Environment is being initialized.

**Explanation**

This is an informatory message indicating that CICS is initializing support for the Language Environment.

**System action**

System initialization continues.

**User response**

None. You can suppress this message with the system initialization parameter, MSG_LVL=0.

**Module:**
DFHAPLI

**XMEOUT parameters/Message inserts**

1. `applid`

**Destination**
Console

DFHAP1206  `applid` CEECCICS module not found.

**Explanation**

This is an informatory message indicating that CICS is unable to locate the Language Environment CEECCICS module either via the BLDL mechanism or in the LPA, and consequently CICS cannot call Language Environment to initialize.
**System action**

System initialization continues. However it will not be possible to execute application programs written in a high level language.

**User response**

If you wish to execute programs written in a high level language, you must ensure that the CEECCICS module, which is distributed in the Language Environment SCEERUN library, can be located either via STEPLIB or in the LPA.

**Module:**

DFHAPLI

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

**DFHAP1207  applid CEEPIPI module not found.**

**Explanation**

This is an informatory message indicating that CICS is unable to locate the Language Environment CEEPIPI module either via the BLDL mechanism or in the LPA.

**System action**

System initialization continues. However it will not be possible for CICS to establish the pre-initialized environment required by CICS to support the JVM and sockets.

**User response**

If you need this CICS system to support the JVM and sockets, you must ensure that the CEEPIPI module, which is distributed in the Language Environment SCEERUN library, can be located either via STEPLIB or in the LPA. Also ensure that the Language Environment SCEERUN2 library is included in STEPLIB or LPA.

**Module:**

DFHAPLI

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

**DFHAP1209  applid Language Environment cannot support the Cobol language.**

**Explanation**

This is an informatory message indicating that Language Environment has initialized successfully but is unable to execute programs written in the COBOL language.

**System action**

System initialization continues. However it will not be possible for CICS to run applications written in COBOL.

**User response**

If you need this CICS system to support the COBOL language you should search the joblog for any messages issued by Language Environment. One possible reason is that the CEEEV005 program, which is the Language Environment interface module to the COBOL runtime, has not been defined in the CICS System Definition (CSD) file. Refer to the z/OS Language Environment Customization for further guidance.

**Module:**

DFHAPLI

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

**DFHAP1209  applid Language Environment cannot support the C/C++ languages.**

**Explanation**

This is an informatory message indicating that Language Environment has initialized successfully but is unable to execute programs written in the C and C++ languages.

**System action**

System initialization continues. However it will not be possible for CICS to run applications written in C or C++.
User response

If you need this CICS system to support the C and C++ languages you should search the joblog for any messages issued by Language Environment. One possible reason is that the CEEEV003 program, which is the Language Environment interface module to the C runtime, has not been defined in the CICS System Definition (CSD) file. Refer to the z/OS Language Environment Customization for further guidance.

Module: DFHAPLI

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

DFHAP1210 applid Language Environment cannot support the PL/I language.

**Explanation**

This is an informatory message indicating that Language Environment has initialized successfully but is unable to execute programs written in the PL/I language.

**System action**

System initialization continues. However it will not be possible for CICS to run applications written in PL/I.

**User response**

If you need this CICS system to support the PL/I language you should search the joblog for any messages issued by Language Environment. One possible reason is that the CEEEV010 program, which is the Language Environment interface module to the PL/I runtime, has not been defined in the CICS System Definition (CSD) file. Refer to the z/OS Language Environment Customization for further guidance.

Module: DFHAPLI

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

DFHAP1211I applid Language Environment initialization completed.

**Explanation**

This is an informatory message indicating that Language Environment initialization has completed.

**System action**

System initialization continues.

**User response**

None. You can suppress this message with the system initialization parameter, MSGLEVEL=0.

Module: DFHAPLI

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

DFHAP1212 DATE TIME APPLID The program program_name was defined as language1 but CICS has redefined it as language2.

**Explanation**

You have defined program program_name as language1. During validation CICS determined that language1 is not a valid language for program_name and has redefined the program with language2.

CICS is able to determine the program language automatically. It is therefore not necessary for users to pass the language of a program to CICS via an autoinstall exit.

**System action**

Processing continues.

**User response**

None. This message is issued for information only.
2. TIME
3. APPLID
4. program_name
5. language1
6. language2

**Destination**
CSTL

**DFHAP1213**  
`applid` An unexpected error has occurred during the LOAD of the `modname` module with system completion code `compcode` and reason code `reason`.

**Explanation**
Either an error was detected when CICS tried to load one of the required language interface modules, or the region size you have defined for CICS is too small.

During the language initialization phase of CICS startup, an unexpected error has occurred while CICS was initializing the necessary support. Possibly CICS has determined that there is insufficient storage to enable run-time language support to be correctly installed. Application program execution is likely to be severely restricted if CICS continues.

**System action**
CICS initialization continues.

**User response**
You should examine the console log for any error messages which may have been issued by the operating system immediately preceding this CICS message. If no operating system messages were issued, it is likely that there is insufficient storage for CICS to continue and you should restart CICS with a larger region size.

**Module:**
DFHAPLI

**XMEOUT parameters/Message inserts**
1. `applid`
2. `modname`
3. `compcode`
4. `reason`

**Destination**
Console

**DFHAP1214**  
`applid` Language Environment global ENVAR option defined with invalid CICS program options.

**Explanation**
An error has been detected in the Language Environment global runtime ENVAR option. The ENVAR string contains a substring in the form 'CICSVAR=xx....xx', but 'xx....xx' is an invalid or unsupported program option. At this level of CICS, the only valid options are 'OPENAPI', 'REQUIRED', 'THREADSAFE' or 'QUASIRENT'.

**System action**
The incorrect ENVAR substring is ignored.

**User response**
Refer to the Configuring for information on how to define program options in the ENVAR string.

**Module:**
DFHAPLI

**XMEOUT parameters/Message inserts**
1. `applid`

**Destination**
Console

**DFHAP1215**  
`applid` Invalid CICS program options found in ENVAR string in program `pgmname`.

**Explanation**
The application program contains user-defined Language Environment runtime options, and an error has been detected in the specification of the ENVAR option. The ENVAR string contains a substring in the form 'CICSVAR=xx....xx', but 'xx....xx' is an unsupported or invalid program option. At this level of CICS, the only supported options are 'OPENAPI', 'REQUIRED', 'THREADSAFE' or 'QUASIRENT'.

**System action**
The incorrect ENVAR substring is ignored.

**User response**
Refer to the Configuring for information on how to define program options in the ENVAR string.

**Module:**
DFHAPLI

XMEOUT parameters/Message inserts

1. applid
2. pgmname

Destination

Console

DFHAP1218

DATE TIME APPLID CEEPIPI function pipifn failed with return code r15rc.

Explanation

CICS XPLINK called CEEPIPI with one of the following function codes:

1 = init_main to initialize a new PIPI execution environment
2 = call_main to invoke the main program in the PIPI environment
5 = term to terminate a PIPI execution environment
6 = add_entry to add an entry to the PIPI PreInit Table
11 = delete_entry to delete an entry from the PIPI PreInit Table

A non-zero return code from CEEPIPI indicates that the function failed.

System action

Language Environment may have written diagnostic information to the CESE destination. CICS abends the transaction with an abend code of ALX1, ALX2, ALX3, ALX4 or ALX5 depending upon the reason for the call to CEEPIPI.

User response

Look at SYSOUT or the CESE destination for Language Environment messages. Look in z/OS Language Environment Programming Guide for the CEEPIPI function and the explanation of the return code which is in Register 15.

Module:

DFHAPLI

DFHAP1226
date time applid Program program pipifn failed with return code r15rc.

Destination

CSMT

DFHAP1300

DATE TIME APPLID The JVM at address X'jvm_anchor' on

4. pipifn
5. r15rc

Explanation

An attempt has been made to run a program defined as EXECKEY(USER) as part of a transaction defined as TASKDATAKEY(CICS). These attributes are incompatible. This incompatibility could occur as a result of the program definition being autoinstalled. See the Developing system programs for CICS and the Defining resources for more information about program autoinstall.

System action

The transaction will be abnormally terminated with abend code AEZD.

User response

Redefine and install a new definition either for the transaction with TASKDATAKEY(USER), or for the program with EXECKEY(CICS).

If this message occurs when running a CICS transaction, a possible cause is that you are not using the CICS-supplied definition for the program. If you are using your own copies of CICS-supplied program definitions, they must be defined as EXECKEY(CICS).

Module:

DFHAPLI

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. program
5. transaction

Destination

CSMT

DFHAP1300

DATE TIME APPLID The JVM at address X'jvm_anchor' on

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thread X'thread_anchor' has encountered an error (reason code: X'reason_code') and has requested further diagnostic data from CICS. More information may be found in the STDERR file: stderr.

**Explanation**

An error condition was detected by one of the JVMs in the JVMPool. The JVM invoked CICS services to capture a system dump. The JVM may recover, and continue processing, or may terminate. The JVM may write further data to the current stderr file indicated in the message.

**System action**

A system dump is taken. For critical errors in the JVM, the JVM is terminated. If a CICS program was in control at the time of the failure, the program is abended. If the failure occurred during task termination, the current transaction is rolled back. Processing continues by recreating the JVM or using other JVMs in the JVMPool.

**User response**

Read the STDERR log for the JVM. The JVM will have written any of its own diagnostics messages to this location. Examine the system dump using the JVM formatting utility. Use the address (jvm_anchor) shown in the message to identify the JVM. Optionally, use the address (thread_anchor) shown in the message to identify the thread in the JVM. The failure may be due to a JVM internal error, or to a component loaded by the JVM as a Native method or plug-in. The reason code given (reason_code) may be a signal handle or other code defined by the JVM. Use the information generated by the JVM in the stderr file to assist in the diagnosis of the problem.

**Module:**

LIBDFHAPJVMT.SO

**XMEOUT parameters/Message inserts**

1. DATE
2. TIME
3. APPLID
4. X'jvm_anchor'
5. X'thread_anchor'
6. X'reason_code'
7. stderr

**Destination**

CSMT

**DFHAP1301**  DATE TIME APPLID  Language Environment has detected a corruption of its control blocks. Transaction transaction currently executing.

**Explanation**

Language Environment has issued a Return Code 8 indicating its control blocks are corrupted.

**System action**

The transaction is abnormally terminated with abend code 0C3.

**User response**

Investigate the cause of the corruption of the Language Environment control blocks.

**Module:**

DFHAPLI

**XMEOUT parameters/Message inserts**

1. DATE
2. TIME
3. APPLID
4. transaction

**Destination**

Console

**DFHAP1500** applid The CICS time-of-day is no longer synchronized with the system time-of-day.

**Explanation**

The CICS time-of-day differs from the system time-of-day by more than 30 minutes.

**System action**

CICS continues. However, as SIT parameter AUTORESETTIME is set to NO, a CEMT PERFORM RESET is needed to synchronize the CICS time-of-day with the system time-of-day.

**User response**

Use the CEMT PERFORM RESET (or EXEC CICS PERFORM RESEETTIME) command to ensure that CICS
Immediately resynchronizes its local time with that of
the MVS TOD clock. This will ensure that the correct
local time is used by all CICS functions, including the
API.

**Module:**
DFHAPTIM

**XMEOUT parameters/Message inserts**
1. **applid**

**Destination**
Console

**Explanation**
A SIGABRT signal has been received by a JVM server. CICS will shut down immediately.

**System action**
CICS attempts to take a system dump with dumpcode KERNDUMP.

**User response**
Restart CICS.

**Module:**
DFHLEPTD

**Destination**
Console

**DFHAP1900**

**Explanation**
A SIGABRT signal has been received by a JVM server, which caused the JVM to shut down. CICS must immediately shut down to preserve data integrity.

**System action**
CICS takes a system dump, and shuts down immediately.

**User response**
Contact IBM support.

**Module:**
DFHSJSC

**XMEOUT parameters/Message inserts**
1. **DATE**
2. **TIME**
3. **APPLID**

**Destination**
CSMT and Console

**DFHAP1700**

**Explanation**
An unexpected signal, most likely a SIGCNCL signal was received by the IPT TCB used for SSL processing. CICS is unable to handle any further SSL requests.

**System action**
CICS continues.

**User response**
Check log.

**Module:**
DFHEIAD

**XMEOUT parameters/Message inserts**
1. **DATE**
2. **TIME**
3. **APPLID**
4. **f_name**
5. **user_id**
6. **transaction_id**
7. **output_string**
8. **exec_resp**
9. **exec_resp2**

**Explanation**
This message is sent to the CICS job log when CICS issues a SET, PERFORM, ENABLE, DISABLE or RESYNC command. The message contains the NETNAME, user ID, transaction ID, command and response of the command that was issued. If the response is not normal, it is still possible that parts of the command executed successfully.

**System action**
CICS continues.

**User response**
Check log.
**DFHAP1901**  
**DATE TIME APPLID**  
SPI audit log is available.

**Explanation**  
This message is sent to the CICS job log when CICS starts, to indicate SPI audit is available in this region.

**System action**  
CICS initialization continues.

**User response**  
None

**Module:**  
DFHEIAD

**XMEOUT parameters/Message inserts**

1. **DATE**  
2. **TIME**  
3. **APPLID**

**Destination**  
CADS

---

**DFHAP1902**  
**DATE TIME APPLID**  
SPI audit log is unavailable.

**Explanation**  
This message is sent to the CICS job log when CICS starts, to indicate that auditing of SPI commands is not available in this region.

**System action**  
CICS initialization continues. Auditing of SPI commands is not active in this region.

**User response**  
To activate auditing of SPI commands in this region, ensure the CADS transient data queue is usable and restart CICS.

**Module:**  
DFHEIAD

**XMEOUT parameters/Message inserts**

1. **DATE**  
2. **TIME**  
3. **APPLID**

**Destination**  
CSSL and Console

---

**DFHAP1903**  
**DATE TIME APPLID**  
CICS failed to write SPI audit message DFHAP1900.

**Explanation**  
CICS could not send an audit message to the CADS transient data queue.

**System action**  
CICS continues.

**User response**  
Check the status of the CADS TDQ.

**Module:**  
DFHEIAD

**XMEOUT parameters/Message inserts**

1. **DATE**  
2. **TIME**  
3. **APPLID**

---

**DFHAP2000I**  
**applid**  
Unrecognized statement found in program list table (PLT). The statement is: 'pltdata'.

**Explanation**  
An unrecognized statement was found during processing of the program list table (PLT). The unrecognized statement is printed after the message.

**System action**  
CICS continues to validate entries in the PLT.

**User response**  
Check that the statements in the PLT and in any copied members are valid. For programming information on the content of a PLT see the Program list table (PLT).

**Module:**  
DFHAPTB

---

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XMEOUT parameters/Message inserts

1. applid
2. pltdata

Destination

Console

DFHASnnnn messages

**DFHAS0001**  
*applid* An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.

Explanation

An abnormal end (abend) or program check occurred in module *modname*. This abend or program check implies that there might be an error in the CICS code. Alternatively, unexpected data was input, or storage was overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, the first three characters in the code are filled with three hyphens. The CICS code is an abend code or a number that refers to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action

An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you suppressed dumps in the dump table.

CICS continues unless you specify in the dump table that CICS must terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Notify the systems programmer. If CICS is still running, you must decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This code shows, for example, whether the error was a program check, an abend, or a runaway, and might give some guidance to the correct user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue, and terminate CICS at a convenient time to resolve the problem.

If you cannot continue without the full use of module *modname* you must terminate CICS in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**  
DFHASAS, DFHASDM, DFHASNT, DFHASRM

**DFHAS0002**  
*applid* A severe error (code *X'code'*') occurred in module *modname*.

Explanation

An error occurred in module *modname*. The code *X'code'*' is the exception trace point ID that uniquely identifies what the error is and where the error was detected. For more information about CICS exception trace entries, see Troubleshooting and support.

System action

An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you suppressed dumps in the dump table.

CICS continues unless you specified in the dump table that CICS must terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.
User response
Inform the systems programmer. This exception entry indicates a possible error in CICS code. The severity of its impact depends on the importance of the function that was running at the time of the error.

CICS might not terminate.

If the message occurs once and module \texttt{modname} is not crucial to the running of your CICS system, you might decide to continue to run and terminate CICS at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module \texttt{modname}, you must terminate CICS in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

\textbf{Module:}
\begin{itemize}
  \item DFHASAS, DFHASDM
\end{itemize}

\textbf{XMEOUT parameters/Message inserts}
1. \texttt{applid}
2. \texttt{X'code'}
3. \texttt{modname}

\textbf{Destination}
Console

\textbf{DFHAS0004} \texttt{applid} A possible loop has been detected at offset \texttt{X'offset'} in module \texttt{modname}.

\textbf{Explanation}
A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module \texttt{modname} at offset \texttt{X'offset'}. This is the offset of the instruction that was executing at the time the error was detected.

\textbf{System action}
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

\textbf{Either} this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

\textbf{Or} CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Because some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function that exceeds the runaway task time interval that you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the module \texttt{modname} will be terminated and CICS will continue.

If you have declared ICVR=0 in the SIT and you consider that module \texttt{modname} has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module \texttt{modname}, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. However, you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

\textbf{Module:}
\begin{itemize}
  \item DFHASAS, DFHASNT, DFHASRM, DFHASXM
\end{itemize}

\textbf{XMEOUT parameters/Message inserts}
1. \texttt{applid}
2. \texttt{X'offset'}
3. \texttt{modname}

\textbf{Destination}
Console

\textbf{DFHAS0100I} \texttt{applid} Asynchronous services domain initialization started.

\textbf{Explanation}
DFHAS0100I is an informational message which indicates the start of asynchronous services domain initialization.

\textbf{System action}
Initialization continues.
User response
None. You can suppress this message with the system initialization parameter, MSGlvl=0.

Module:
DFHASDM

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHAS0101I  applid Asynchronous services domain initialization has ended.

Explanation
The asynchronous services domain initialization completed successfully.

DFHAUnnnn messages

DFHAU5003  UNABLE TO OPEN FILE filename. RC return_code REASON reason_code

Explanation
The Scanner has been unable to open filename.

System action
The Scanner is terminated.

User response
If the codes are zero, it was a non-VSAM file that failed to open.

Otherwise the return_code is as returned by VSAM in GPR 15, and the reason_code is the result of a subsequent SHOWCB ACB FIELDS=(ERROR) macro call. Check these in the z/OS DFSMS Macro Instructions for Data Sets to determine the cause of the error.

The most likely cause of this message is missing or incorrect filenames in the JCL that runs the job. Correct the problem and rerun the job.

Module:
CAULMS

Destination
Console

DFHAU5012  INVALID PARM SPECIFIED. $SUMMARY ASSUMED.

Explanation
When invoking the Scanner, a PARM field has been specified on the EXEC that does not contain valid information.

System action
The Scanner uses the default PARM of $SUMMARY.

User response
Correct the PARM information and rerun if required.

Module:
CAULMS

Destination
Console

DFHAU5013  {GETMAIN | FREEMAIN} HAS FAILED. RETURN CODE return_code

Explanation
A Scanner MVS GETMAIN or MVS FREEMAIN macro has failed to execute successfully.
**System action**
The Scanner is terminated.

**User response**
Check the appropriate MVS manual for the meaning of return_code, which is the value of GPR 15 after the macro call. Correct the problem and rerun the job.

**Module:**
CAULMS

**Destination**
Console

**Explanation**
The Transaction Affinities Utility date formatter program (CAUCAFDT) was unable to format the packed Julian date passed to it by its caller.

**DFHBAnnnn messages**

| DFHBA0001 | An abend (code code) has occurred at offset X'offset' in module module. |

**Explanation**
An unexpected program check or abend occurred with abend code aaa/bbbb.

The program status word (PSW) at the time of the program check or abend indicated that CICS was executing at offset X'offset' in module modname. This may have been caused by corruption of CICS code or control blocks.

**System action**
A system dump is taken and the system attempts to continue operation unless otherwise directed by entries in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Investigate the cause of the program check or abend using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

If you cannot resolve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHBAAC, DFHBAAC1, DFHBAAC2, DFHBAAC3, DFHBAAC4, DFHBAAC5, DFHBAAC6, DFHBAAR1, DFHBAAR2, DFHBAAR3, DFHBAAR4, DFHBAAR5, DFHBAAR6, DFHBAAR7, DFHBAAR8, DFHBAAR9, DFHBAAPR, DFHBAAPT1, DFHBAASP, DFHBAATT, DFHBAUE, DFHBAVP1, DFHBAVM

**XMEOUT parameters/Message inserts**
1. applid
2. code
3. X'offset'
4. module

**Destination**
Console

**Explanation**
The BA domain has received an unexpected error response from some other part of CICS. The operation
requested by recovery manager is described by code X'code'.

For further information about CICS exception trace entries, refer to the Troubleshooting and support.

**System action**
A system dump is taken and the system attempts to continue operation unless specifically inhibited by dump table entries.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Investigate the cause of the problem as follows:
1. Determine if the problem can be explained by any previous messages issued from some other CICS component.
2. Examine the symptom string.
3. Examine the dump.

If you cannot resolve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHBAAC, DFHBAAC1, DFHBAAR1, DFHBABR, DFHBACO1, DFHBACR, DFHBADM, DFHBALR1, DFHBAPR, DFHBAPR1, DFHBASP, DFHBATT, DFHBAUE, DFHBAUXM

**XMEOUT parameters/Message inserts**
1. applid
2. X'code'
3. module

**Destination**
Console

DFHBA0101  

**Explanation**
The BA Write audit record request has failed.

**System action**
Normal processing continues with logging of audit records to the specified log suspended.

**User response**
Determine if the problem can be explained by any previous messages issued from some other CICS component. If the log is successfully reconnected, audit logging will be resumed, see message DFHBA0102. If you cannot resolve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHBAAR2

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. logname

**Destination**
CSBA and Console

DFHBA0102  

**Explanation**
The BA Write audit record requests has resumed after being suspended.

**System action**
Audit logging has resumed.

**User response**
None.

**Module:**
DFHBAAR2

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. logname

**Destination**
CSBA and Console
**DFHBA0103**  
*date time applid terminal userid tranid processtype definition entry processname has been deleted.*

**Explanation**

This is an audit log message indicating that Process entry `processtype` has been deleted using the DISCARD command. Where:

- `terminal` is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- `userid` is the user identifier of the user associated with the transaction issuing the message.
- `tranid` is the transaction issuing the message.

**System action**

The system continues normally.

**User response**

None.

**Module:** DFHBAAC

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `terminal`
5. `userid`
6. `tranid`
7. `processtype`

**Destination**

CSBA

**DFHBA0104**  
*date time applid The root activity of process processname of processtype processname has completed status ABENDED, code abendcode. TRANSID(tranid) USERID(userid).*

**Explanation**

This indicates that the root activity of the process `processname`, of processtype `processname`, has completed abnormally with abendcode `abendcode`.

**System action**

The system continues normally.
**User response**
None.

**Module:**
DFHBA0201

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. processtype

**Destination**
CSBA

DFHBA0201 Module module load of DFHMEBM failed, reason code X'rcode' system code X'scode'.

**Explanation**
The program has failed to load module DFHMEBM. The message contains the name of the module that detected the error, the reason code and the system code from the failed load.

**System action**
The program terminates with return code 12.

**User response**
Use the reason code and system code contained in the message to determine the reason for the failed load.
If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:**
DFHATUP DFHBARUP

**Destination**
Console

DFHBA0203 Error opening SYSPRINT in module module.

**Explanation**
Error opening SYSPRINT. The message contains the name of the module with the error.

**System action**
The program terminates with return code 12.

**User response**
Use the reason code and system code contained in the message to determine the reason for the failed load.
If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:**
DFHATUP DFHBARUP

**Destination**
Console

DFHBA0204 Module module exec parameter error, missing open bracket at position position(+).

**Explanation**
An exec parameter error has been detected.
An open bracket is missing after a keyword. The name of the module that detected the error and the approximate position of the missing bracket are contained in the message.

**System action**
The program terminates with return code 12.

**User response**
Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:**
DFHATUP DFHBARUP

**Destination**
Console

DFHBA0205  Module module exec parameter error, missing close bracket at position position (+).

**Explanation**
An exec parameter error has been detected.
A close bracket is missing after the keyword field. The message contains the name of the module that detected the error and the approximate position of the missing bracket.

**System action**
The program terminates with return code 12.

**User response**
Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:**
DFHATUP DFHBARUP

**Destination**
Console

DFHBA0207  Module module exec parameter error, invalid translate parameter field at position position.

**Explanation**
An exec parameter error has been detected.
An invalid translate keyword field has been located. The message contains the name of the module that detected the error and the position of the invalid keyword field.

**System action**
The program terminates with return code 12.

**User response**
Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:**
DFHATUP DFHBARUP

**Destination**
Console

DFHBA0208  Module module exec parameter error, duplicate translate keyword at position position.

**Explanation**
An exec parameter error has been detected.
A duplicate translate keyword has been found. The message contains the name of the module that detected the error and the position of the duplicate translate keyword.

**System action**
The program terminates with return code 12.

**User response**
Correct the error and submit the job again. If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:**
DFHATUP DFHBARUP

**Destination**
Console

**Explanation**
An exec parameter error has been detected. An invalid pagesize field has been found. The message contains the name of the module that detected the error and the position of the invalid field.

**System action**
The program terminates with return code 12.

**User response**
Correct the error and submit the job again. If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:**
DFHATUP DFHBARUP

**Destination**
Console

**Explanation**
An exec parameter error has been detected. An invalid pagesize field has been found. The message contains the name of the module that detected the error and the position of the invalid field.

**System action**
The program terminates with return code 12.

**User response**
Correct the error and submit the job again. If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:**
DFHATUP DFHBARUP

**Destination**
Console

**Explanation**
An exec parameter error has been detected. A duplicate pagesize keyword has been found. The message contains the name of the module that detected the error and the position of the duplicate keyword.

**System action**
The program terminates with return code 12.

**User response**
Correct the error and submit the job again. If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:**
DFHATUP DFHBARUP

**Destination**
Console

**Explanation**
An exec parameter error has been detected. A duplicate pagesize keyword has been found. The message contains the name of the module that detected the error and the position of the duplicate keyword.

**System action**
The program terminates with return code 12.

**User response**
Correct the error and submit the job again. If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:**
DFHATUP DFHBARUP

**Destination**
Console

**Explanation**
An exec parameter error has been detected. An invalid natlang field has been found. The message contains the name of the module that detected the error and the position of the invalid field.

**System action**
The program terminates with return code 12.

**User response**
Correct the error and submit the job again. If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:**
DFHATUP DFHBARUP

**Destination**
Console

**Explanation**
An exec parameter error has been detected. A duplicate natlang keyword has been found. The message contains the name of the module that detected the error and the position of the duplicate keyword.

**System action**
The program terminates with return code 12.

**User response**
Correct the error and submit the job again. If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:**
DFHATUP DFHBARUP

**Destination**
Console
A duplicate natlang keyword has been found. The message contains the name of the module that detected the error and the position of the duplicate keyword.

**System action**
The program terminates with return code 12.

**User response**
Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:**
DFHATUP DFHBARUP

**Destination**
Console

**DFHBA0213** Open of SYSIN failed in module module.

**Explanation**
An open of SYSIN failed.
The message contains the name of the module that detected the error.

**System action**
The program terminates with return code 12.

**User response**
Check if any additional system messages have been issued that may help you to determine the cause of the problem.
If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:**
DFHATUP DFHBARUP

**Destination**
SYSPRINT

**DFHBA0215** Module module invalid keyword field length at position position.

**Explanation**
A sysin parameter error has been detected.
An invalid keyword field length has been detected.
The message contains the name of the module that detected the error and the position of the invalid field.

**System action**
The program terminates with return code 12 after all the sysin parameters have been processed.

**User response**
Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:**
DFHATUP DFHBARUP

**Destination**
SYSPRINT

**DFHBA0216** Module module invalid keyword field at position position.

**Explanation**
A SYSIN parameter error has been detected.

A invalid keyword has been found. The message contains the name of the module that detected the error and the position of the invalid keyword.

**System action**
The program terminates with return code 12 after all the SYSIN parameters have been processed.

**User response**
Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:**
DFHATUP DFHBARUP

**Destination**
SYSPRINT

**DFHBA0214** Module module invalid keyword at position position.

**Explanation**
A SYSIN parameter error has been detected.
An invalid keyword field has been found. The message contains the name of the module that detected the error and the position of the invalid keyword.

**System action**
The program terminates with return code 12 after all the sysin parameters have been processed.

**User response**
Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:** DFHATUP DFHBARUP

**Destination**
SYSPRINT

DFHBA0217 Module module unexpected keyword at position position.

**Explanation**
A sysin parameter error has been detected.
An unexpected keyword has been found. The message contains the name of the module that detected the error and the position of the unexpected keyword.

**System action**
The program terminates with return code 12.

**User response**
Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:** DFHATUP DFHBARUP

**Destination**
SYSPRINT

DFHBA0218 Module module duplicate auditlog keyword at position position.

**Explanation**
A sysin parameter error has been detected.
A duplicate auditlog keyword has been found. The message contains the name of the module that detected the error and the position of the duplicate keyword.

**System action**
The program terminates with return code 12 after all the sysin parameters have been processed.

**User response**
Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:** DFHATUP DFHBARUP

**Destination**
SYSPRINT

DFHBA0219 Module module continuation not allowed.

**Explanation**
A sysin parameter error has been detected.
A parameter card contains an invalid continuation character. The message contains the name of the module that detected the error.

**System action**
The program terminates with return code 12 after all the sysin parameters have been processed.

**User response**
Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:** DFHATUP DFHBARUP

**Destination**
SYSPRINT

DFHBA0220 Module module unexpected end of file.

**Explanation**
A sysin parameter error has been detected.
The last sysin card read before end of file was reached has a continuation indicator. The message contains the name of the module that detected the error.
**System action**
The program terminates with return code 12.

**User response**
Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:**
DFHATUP DFHBARUP

**Destination**
SYSPRINT

**DFHBA0221**  Error opening file in module module.

**Explanation**
An open of the auditlog has failed.
The message contains the name of the module that detected the error and the name of auditlog data set.

**System action**
The program terminates with return code 12.

**User response**
Check if any additional system messages have been issued that may help you to determine the cause of the problem.
If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:**
DFHATUP

**Destination**
SYSPRINT

**DFHBA0222**  Module module terminated because of errors, check SYSPRINT for details.

**Explanation**
The program has detected errors that have caused it to terminate.
Additional error messages have been output to SYSPRINT.

**System action**
The program terminates with return code 12.

**User response**
Use the additional messages output to SYSPRINT to determine the cause of the problem.
If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:**
DFHATUP DFHBARUP

**Destination**
Console

**DFHBA0223**  Module module terminated because of errors, check previous console messages for details.

**Explanation**
The program has detected errors that have caused it to terminate.
Additional error message will have been issued at the console.

**System action**
The program terminates with return code 12.

**User response**
Use the additional messages issued at the console to determine the cause of the problem.
If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:**
DFHATUP DFHBARUP

**Destination**
Console

**DFHBA0224**  Gencb failed in module module.
R15 = X'r15val' R0 = X'r0val'.

**Explanation**
A Vsam gencb macro call has failed.
The message contains the name of the module that issued the failed gencb and the register 15 and 0 values at the time of the error. At the time of the error register 15 contains the return code and register 0
contains the reason code. The reason code is only valid if the return code is 4.

**System action**
The program terminates with return code 12.

**User response**
Use the return code and reason code values to determine the cause of the problem.

Check if any additional system messages have been issued that may help you to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:**
DFHBARUP

**Destination**
SYSPRINT

---

**DFHBA0225**
Modcb failed in module module. 
R15 = X'r15val' R0 = X'r0val'.

**Explanation**
A Vsam modcb macro call has failed.

The message contains the name of the module that issued the failed modcb and the register 15 and 0 values at the time of the error. At the time of the error register 15 contains the return code and register 0 contains the reason code. The reason code is only valid if the return code value is 4.

**System action**
The program terminates with return code 12.

**User response**
Use the return code and reason code values to determine the cause of the problem.

Check if any additional system messages have been issued that may help you to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:**
DFHBARUP

**Destination**
SYSPRINT

---

**DFHBA0226**
Showcb failed in module module. 
R15 = X'r15val' R0 = X'r0val'.

**Explanation**
A Vsam showcb macro call has failed.

The message contains the name of the module that issued the failed showcb and the register 15 and 0 values at the time of the error. At the time of the error register 15 contains the return code and register 0 contains the reason code. The reason code is only valid if the return code value is 4.

**System action**
The program terminates with return code 12.

**User response**
Use the return code and reason code values to determine the cause of the problem.

Check if any additional system messages have been issued that may help you to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module:**
DFHBARUP

**Destination**
SYSPRINT

---

**DFHBA0227**
Error opening file in module module. 
R15 = X'r15val' reason code = X'reasval'.

**Explanation**
A Vsam open macro call has failed.

The message contains the name of the data set being opened, the name of the module issuing the open, the register 15 and reason code values at the time of the error. At the time of the error register 15 contains the reason code.

If the register 15 value is 4 the program continues.

If the register 15 value is 8 or greater the program terminates with return code 12.

**System action**
The program terminates with return code 12.

**User response**
Use the return code and reason code values to determine the cause of the problem.
Check if any additional system messages have been issued that may help you to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module: DFHBARUP**

**Destination**

SYSPRINT

**DFHBA0228**  
*Error closing file in module module. R15 = X'r15val' reason code = X'reasval'.*

**Explanation**

A Vsam close macro call has failed.

The message contains the name of the data set being closed, the name of the module issuing the close, the register 15 and reason code values at the time of the error. At the time of the error register 15 contains the return code.

**System action**

The program continues. This may indicate a problem with the repository data set.

**User response**

Use the return code and reason code values to determine the cause of the problem.

Check if any additional system messages have been issued that may help you to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module: DFHBARUP**

**Destination**

SYSPRINT

**DFHBA0230**  
*Point for file failed in module module. R15 = X'r15val' reason code = X'reasval'.*

**Explanation**

A Vsam point macro call has failed.

The message contains the name of the data set that the point failed on, the name of the module issuing the point, the register 15 and reason code values at the time of the error. At the time of the error register 15 contains the return code.

**System action**

The program terminates with return code 12.

**User response**

Use the return code and reason code values to determine the cause of the problem.

Check if any additional system messages have been issued that may help you to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Module: DFHBARUP**

**Destination**

SYSPRINT

**DFHBA0229**  
*Get for file failed in module module. R15 = X'r15val' reason code = X'reasval'.*

**Explanation**

A Vsam get macro call has failed.

The message contains the name of the data set that the get is being issued against, the name of the module issuing the get, the register 15 and reason code values at the time of the error. At the time of the error register 15 contains the return code.

**System action**

The program terminates with return code 12.

**User response**

Use the return code and reason code values to determine the cause of the problem.

Check if any additional system messages have been issued that may help you to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.
Destination
SYSPRINT

DFHBA0231  The set of records associated with the activity or process being read are not complete.

Explanation
The set of process or activity records being read is incomplete.

System action
The program continues processing with the next process or activity.

User response
If the repository file is being accessed by a CICS region while the DFHBARUP job is running the CICS region or regions have deleted the set of records being processed by DFHBARUP. If this is not the case then further investigation will be required. If the problem cannot be determined and corrected, you will need further assistance from IBM.

Module:
DFHBARUP

Destination
SYSPRINT

DFHBA0232  No records selected by module module.

Explanation
No records have been selected for printing. The message contains the name of the module involved.

System action
The program completes with return code 0.

User response
Check that the selection parameters are correct and the correct file is being processed. If the problem cannot be determined and corrected, you will need further assistance from IBM.

Module:
DFHATUP DFHBARUP

Destination
Console

DFHBA0233  Module module has completed processing.

Explanation
Processing has completed. The message contains the name of the module involved.

System action
The program completes with return code 0.

User response
None

Module:
DFHATUP DFHBARUP

Destination
Console

DFHBA0234  Module module has a duplicate repository keyword at position position.

Explanation
A sysin parameter error has been detected. A duplicate repository keyword has been found. The message contains the name of the module that detected the error and the position of the duplicate keyword.

System action
The program terminates with return code 12 after all the sysin parameters have been processed.

User response
Correct the error and submit the job again. If the problem cannot be determined and corrected, you will need further assistance from IBM.

Module:
DFHBARUP

Destination
SYSPRINT
The container record being processed is not complete.

Explanation
The container being processed is incomplete.

System action
The program continues processing with the next process or activity.

User response
If the repository file is being accessed by a CICS region while the DFHBARUP job is running the CICS region or regions may be altering the container records as DFHBARUP is processing them.

If this is not the case then further investigation will be required.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Module:
DFHBARUP

Destination
SYSPRINT

DFHBRnnnn messages

DFHBR0201 DATE TIME APPLID Transaction TRANID abend abcode in bridge exit brexit bridge transaction bridge

Explanation
The Bridge exit brexit terminated abnormally with abend code abcode.

abcode is either a CICS transaction abend code or a user abend code generated by a CICS ABEND ABCODE(abcode) command. This command is issued either by a user program or by an IBM program (for example, a programming language library module).

Unless the abend occurred whilst the bridge exit was processing the termination or abend call, this abend will also result in CICS issuing a ABRQ abend. In this case a DFHAC2236 abend message will follow this message. See that message for details about recoverable resources.

System action
Abend ABRQ will be issued unless the transaction is calling the bridge exit for termination or abend processing.

User response
Use the abend code abcode to diagnose the problem. If the abend is issued by an IBM program product other than CICS, the code is documented in the library of that other product.

Alternatively, there might be a logic error in the bridge exit program brexit. For programming information about coding bridge exit programs see the Developing system programs for CICS.

Module:
DFHBRIC, DFHBRMS, DFHBRSP, DFHBRTC, DFHBRXM, DFHBRRM

XMEOUT parameters/Message inserts
1. DATE
2. TIME
3. APPLID
4. TRANID
5. abcode
6. brexit
7. bridge

Destination
CSBR

DFHBR0202 DATE TIME APPLID USERID TRANID Bridge facility autoinstall URM urmname has abended with code abcode.

Explanation
The Bridge facility autoinstall URM terminated abnormally with abend code abcode.

abcode is either a CICS transaction abend code or a user abend code generated by a CICS ABEND ABCODE(abcode) command.

System action
The autoinstall URM is disabled. This prevents the autoinstalling of new bridge facilities, as well as the other functions of the autoinstall exit.
User response

Use the abend code abcode to diagnose the problem. If the abend is issued by an IBM program product other than CICS, the code is documented in the library of that other product.

Alternatively, there might be a logic error in the autoinstall URM.

When the error has been found and the problem corrected enable the autoinstall URM to re-enabled the mechanism.

Module:
DFHBRAI

XMEOUT parameters/Message inserts
1. DATE
2. TIME
3. APPLID
4. USERID
5. TRANID
6. urmname
7. abcode

Destination
CSBR

DFHB0203  DATE TIME APPLID USERID
TRANID Bridge facility autoinstall URM urmname could not be linked. The autoinstall function has been disabled.

Explanation
The Bridge facility autoinstall URM could not be linked.

System action
The autoinstall URM is disabled. This prevents the autoinstalling of new bridge facilities, as well as the other functions of the autoinstall exit.

User response
The probable cause of this is either that the URM was disabled by the operator, or as a result of some action of one of the other functions of the autoinstall URM.

The mechanism can be re-started by enabling the URM. Alternatively the command SET AUTOINSTALL AIBRIDGE(AUTO) can be issued to allow autogeneration of bridge facilities.

Module:
DFHBRAI

XMEOUT parameters/Message inserts
1. DATE
2. TIME
3. APPLID
4. USERID
5. TRANID
6. urmname
**Explanation**

The Bridge facility autoinstall URM returned an invalid termid. See the CICS documentation for a description of the valid character set for Bridge facility termids.

**System action**

The request fails. If it is using the Link3270 mechanism the request fails with a reason code of BRIHRC-TERMID-INVALID. Other bridge mechanisms fail with an ABRU abend code.

**User response**

Correct the URM so that it generates or accepts valid termid names from clients.

**Module:**

DFHBRAI

**XMEOUT parameters/Message inserts**

1. DATE
2. TIME
3. APPLID
4. USERID
5. TRANID
6. urmname
7. termid

**Destination**

CSBR

**Explanation**

The Bridge facility autoinstall URM returned an invalid netname. This information is for audit purposes only.

**System action**

The name is used when running the user transaction.

**User response**

None.

**Module:**

DFHBRAI

**XMEOUT parameters/Message inserts**

1. DATE
2. TIME
3. APPLID
4. USERID
The first application transaction definition that uses a bridge facility is used to determine where all transactions that use that facility are to be executed. The transaction definition of the transaction that the client has supplied in the BRIH conflicts with that definition.

All transactions that are to be executed under a bridge facility must have the same routing characteristics as the first transaction executed under the bridge facility.

**System action**
The BRIH returned to the client contains information to enable the client to identify the reason for the error.

**User response**
Ensure that the transaction definition of all transactions that are to be used by a bridge facility do not cause routing conflicts.

**Module:** DFHBRMR

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *tranid*

**Destination**
CSBR

**Explanation**
The dynamic transaction routing program has abnormally terminated with abend code *abcode*.

**System action**
1. If the dynamic transaction routing program was processing a route selection, a route selection error or a route notify request at the time of the abend, the BRIH returned to the client will contain information to enable the client to identify the reason for the error.

2. If the dynamic routing program was processing a route terminate or route abend request at the time of the abend, the BRIH returned to the client...
will not contain information about the dynamic transaction routing program abend.

**User response**

See the description of abend code *abcode* for further guidance.

If the code is not a CICS transaction abend code, it is a user abend code. Request an explanation from the programmer responsible for this area.

**Module:**
DFHBRMR

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *prog*
5. *abend*

**Destination**

CSBR

**DFHBR0411**

*date time applid* Dynamic transaction routing program *prog* must be AMODE=31.

**Explanation**

CICS has failed to link to the dynamic transaction routing program because it is not AMODE 31.

**System action**

1. If making a route selection, route selection error or route notify link to the dynamic routing program, the BRIH returned to the client will contain information to enable the client to identify the reason for the error.
2. If making a route terminate or route abend link to the dynamic routing program, the BRIH returned to the client does not contain information about the failed link to the dynamic transaction routing program.

**User response**

Recompile and link edit the dynamic transaction routing program to AMODE 31.

**Module:**
DFHBRMR

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *prog*

**Destination**

CSBR
DFHBR0413  date time applid Dynamic transaction routing program prog fetch failed.

Explanation
CICS was unable to load the dynamic transaction routing program.

System action
1. If making a route selection, route selection error or route notify link to the dynamic routing program, the BRIH returned to the client contains information to enable the client to identify the reason for the error.
2. If making a route terminate or route abend link to the dynamic routing program, the BRIH returned to the client does not contain information about the failed link to the dynamic transaction routing program.

User response
Ensure that the dynamic routing program specified by the system initialization parameter DTRPGM=program name, or specified via the EXEC CICS SET SYSTEM DTRPROGRAM(program name) has been correctly defined to CICS and is enabled.

Module:
DFHBRMR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. prog

Destination
CSBR

DFHBR0415  date time applid Dynamic transaction routing program prog is defined as remote.

Explanation
The dynamic transaction routing program was defined as remote.

System action
1. If making a route selection, route selection error or route notify link to the dynamic routing program, the BRIH returned to the client contains information to enable the client to identify the reason for the error.
2. If making a route terminate or route abend link to the dynamic routing program, the BRIH returned to the client does not contain information about the failed link to the dynamic transaction routing program.
User response

Ensure that the dynamic routing program specified by the system initialization parameter DTRPGM=program name, or specified via the EXEC CICS SET SYSTEM DTRPROGRAM(program name) has been correctly defined to CICS.

Module:
DFHBRMR

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. prog

Destination
CSBR

DFHBR0427 date time applid The Bridge Link3270 connection for {request allocate_facility ( | request delete_facility ( | request continue_conversation ( | request get_more_message ( | request resend_message ( | transaction } tranid } to system | to system } sysid has failed.

Explanation
The Bridge Link3270 request has been routed to a remote CICS region. An unrecoverable error occurred during the conversation with the mirror program DFHBRMP (for example, if a session fails, or the server region fails).

System action
The BRIH returned to the client contains information to enable the client to identify the reason for the error.

User response
After the connection has been restored the client can issue a resend message request to determine the status of the application transaction in the AOR.

Module:
DFHBRMR

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. Value chosen from the following options:
   1=request allocate_facility (,
   2=request delete_facility (,
   3=request continue_conversation (,
   4=request get_more_message (,
   5=request resend_message (,
   6=transaction
5. tranid
6. Value chosen from the following options:
   1=) to system ,
   2= to system
7. sysid

Destination
CSBR

DFHBR0430 date time applid Routing of the Bridge Link3270 request for transaction tranid to system sysid failed. The dynamic transaction routing program completed with return code 8. Last attempt to route request failed because the remote system could not be found in the intersystem table.

Explanation
The transaction tranid supplied by the client in the BRIH is defined as dynamic. The dynamic transaction routing program completed with return code 8. The last attempt to route the Bridge Link3270 request to the remote system failed because the remote system could not be found in the intersystem table.

System action
The BRIH returned to the client contains information to enable the client to identify the reason for the error.

User response
Ensure that the connection definitions are correct and that the dynamic transaction routing URM supplies a valid system for the request.

Module:
DFHBRMR
Routing of the Bridge Link3270 request for transaction tranid to system sysid failed. The dynamic transaction routing program completed with return code 8. Last attempt to route request failed because the session allocation was rejected.

**Explanation**

The transaction tranid supplied by the client in the BRIIH is defined as dynamic. The dynamic transaction routing program completed with return code 8. The last attempt to route the request failed because the remote session allocation was rejected.

**System action**

The BRIIH returned to the client contains information to enable the client to identify the reason for the error.

**User response**

Investigate the reason for the rejection of the allocation of the session.

The transaction definition queuelimit value and global user exit XZIQUE can be used to control the size of the session queue and decide if a request is to be rejected or not. Refer to the Defining resources, the Developing system programs for CICS and the CICS intercommunication manuals for further information.

**Module:**

DFHBRMR

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. sysid

**Destination**

CSBR
Explanation
The transaction tranid supplied by the client in the BRIH is defined as dynamic. The dynamic transaction routing program completed with return code 8. The last attempt to route the request failed because the remote session allocation queue was purged.

System action
The BRIH returned to the client contains information to enable the client to identify the reason for the error.

User response
Investigate the reason for the purge of the session allocation queue.

The transaction definition queuelimit and maxqtime field values determine when the queue will be purged. Global user exit ZXIQUE can also be used to control the queue. Refer to the Defining resources, the Developing system programs for CICS and the CICS intercommunication manuals for further information.

Module:
DFHBRMR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. sysid

Destination
CSBR

DFHBR0434 date time applid Routing of the Bridge Link3270 request for transaction tranid to system sysid failed. The dynamic transaction routing program completed with return code 8. Last attempt to route request failed because the remote system did not support the function.

Explanation
The transaction tranid supplied by the client in the BRIH is defined as dynamic. The dynamic transaction routing program completed with return code 8. The last attempt to route the request failed because the remote system did not support the function. The remote system would not support the function for one of the following reasons.

1. The remote system is connected via a LUTYPE 6.1 connection.
2. The remote system does not support the Bridge Link3270 function.

System action
The BRIH returned to the client contains information to enable the client to identify the reason for the error.

User response
Ensure that the dynamic transaction routing program does not route Bridge Link3270 request over TYPE6.1 connections and that the requests are routed to a remote region that is at the correct level to support Bridge Link3270 requests.

Module:
DFHBRMR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. sysid

Destination
CSBR

DFHBR0436 date time applid Routing of the Bridge Link3270 request for transaction tranid to system sysid failed. The dynamic transaction routing program completed with return code 8 on the first route selection call.

Explanation
The transaction tranid supplied by the client in the BRIH is defined as remote. The dynamic transaction routing program completed with return code 8 during the route selection call. An attempt to route the transaction has not been made.

System action
The BRIH returned to the client contains information to enable the client to identify the reason for the error.
User response

Investigate why the dynamic transaction routing program completed with return code 8 during the route selection call.

Module:
DFHBRMR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. netname

Destination
CSBR

DFHBR0437  date time applid Routing of the Bridge Link3270 request for transaction tranid to system 'sysid' netname 'netname' failed. The dynamic transaction routing program completed with return code 8. Last attempt to route request failed because the remote system and netnames do not match.

Explanation
The transaction tranid supplied by the client in the BRIH is defined as dynamic. The dynamic transaction routing program completed with return code 8. The last attempt to route the Bridge Link3270 request to the remote system failed because the remote system name and netname do not match.

System action
The BRIH returned to the client contains information to enable the client to identify the reason for the error.

User response
Ensure that the connection definitions are correct and that the dynamic transaction routing program URM supplies matching sysid and netname values.

Module:
DFHBRMR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. sysid
6. netname

Destination
CSBR
Explanation

One of the following errors was detected when attempting to access the file:

- The file is disabled.
- The file is not open.
- The file was not found.
- The SMSVSAM server is not available.
- The CFDT server is not available.
- The dataset is being copied.
- An I/O error occurred.
- The file is defined as recoverable.

System action

The file is not available. The BRIH returned to the client will contain an unsuccessful return code.

User response

Investigate the error which caused the file to be made unavailable. Correct the cause of the problem and retry the failed transaction.

Module:
DFHBRNS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. filename
5. Value chosen from the following options:
   1=The file is disabled,
   2=The file is not open,
   3=The file was not found,
   4=SMSVSAM server is not available,
   5=CFDT server is not available,
   6=The dataset is being copied,
   7=An I/O error occurred,
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. filename

**Destination**

CSBR

**DFHBR0504** `date time applid File filename` record has been suppressed by user exit.

**Explanation**

A user exit has suppressed the writing of records to the file.

**System action**

The BRIH returned to the client contains an unsuccessful return code.

**User response**

The exit should not be allowed to suppress records being written to the file.

**Module:** DFHBRNS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. filename

**Destination**

CSBR

**DFHBR0505** `date time applid Bridge facility ranges have reached percent percent of total allocation.`

**Explanation**

Bridge facilities are allocated in ranges. The allocation of the Bridge facility range has increased the number of available ranges above the warning threshold. The message gives the percentage of available ranges that have been allocated and is issued if the allocation causes the percentage to increase above 90%. The message is reissued for every allocation that causes a percentage point increase in available ranges that have been allocated.

**System action**

The user transaction continues.

**User response**

This is an indication that the CICS regions that are sharing file DFHBRNSF are reaching the limit of the number of allocation ranges.

**Module:** DFHBRNS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. percent

**Destination**

CSBR and Console

**DFHBR0506** `date time applid Bridge facility ranges have reduced below percent percent of total allocation.`

**Explanation**

Bridge facilities are allocated in ranges. A release of a Bridge facility range has caused the number of available ranges to fall below a warning threshold.

**System action**

The user transaction continues.

**User response**

The number of available Bridge facility ranges is increasing.

**Module:** DFHBRNS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. percent
**Explanation**

Bridge facilities are allocated in ranges. The allocation of the Bridge facility range failed because all ranges have been allocated.

**System action**

The BRIH returned to the client contains information to enable the client to identify the reason for the error.

**User response**

The request can be retried when Bridge facility ranges are available for allocation.

**Module:**

DFHBRNS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid

**Destination**

CSBR and Console

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**Destination**

CSBR and Console

DFHBR0507  

(date time applid) All Bridge facility ranges have been allocated.

**Explanation**

Bridge facilities are allocated in ranges. The allocation of the Bridge facility range failed because all ranges have been allocated.

**System action**

The BRIH returned to the client contains information to enable the client to identify the reason for the error.

**User response**

The request can be retried when Bridge facility ranges are available for allocation.

**Module:**

DFHBRNS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid

**Destination**

CSBR and Console

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**Destination**

CSBR and Console

DFHBR0508  

(date time applid) File filename is not available. Sysid sysid error.

**Explanation**

The attempt to access the remote file failed with a sysiderr.

**System action**

The file is not available. The BRIH returned to the client contains an unsuccessful return code.

**User response**

Investigate the error which caused the file to be made unavailable. Correct the cause of the problem and retry the failed transaction.

**Module:**

DFHBRNS

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**Destination**

CSBR and Console

DFHBR0509  

(date time applid) You are approaching or have reached the maximum number of times a Link3270 bridge routing region can be started.

**Explanation**

The maximum number of times Link3270 bridge routing regions that use the same DFHBRNSF data set can be started is approaching or has already been reached. An invalid facility token is allocated if the number of times these CICS routing regions are connected (connection_number), exceeds the maximum.

This message is issued if you have exceeded 90% of the available times routing regions using the same DFHBRNSF data set can be started.

**System action**

The Link3270 bridge request continues to be processed. When 100% of the available times routing regions, using the same DFHBRNSF data set, can be started is reached, the request abends AEXZ.

**User response**

At a convenient time, stop all regions that use the Link3270 bridge routing data set, DFHBRNSF, and redefine it. This resets connection_number to 0. Restart your routing regions.

**Module:**

DFHBRNS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid

---

**Destination**

CSBR and Console
**DFHBR0601**

`date time applid` Bridge Link3270 security error. User `userid1` attempting to use facility allocated to `userid2`.

**Explanation**
The Bridge Link3270 has detected a security error. A different userid than the one that allocated the Bridge Link3270 facility is attempting to use that facility.

**System action**
The request is rejected and the BRIH returned to the client contains information to enable the client to identify the reason for the error.

**User response**
Ensure that the same user that allocated the Bridge Link3270 facility is the only user that uses that facility.

**DFHCAnnnn messages**

**DFHCA4800 I** `date time applid tranid` New group `grpname` created.

**Explanation**
A new group `grpname` has been created on the CSD.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `transid`
5. `grpname`

**Destination**
CSMT

**DFHCA4801 I** `date time applid tranid` New list `lstname` created.

**Explanation**
The name `name` in the command is invalid.

**Module:**
DFHBRFR, DFHBRMP

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `userid1`
5. `userid2`

**Destination**
CSBR
System action
Processing continues.

User response
Specify a valid name.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. name

Destination
CSMT

DFHCA4803 E  
(date time applid tranid) Install failed because an existing definition for file filename could not be deleted.

Explanation
An attempt was made to install file filename. File filename already exists and cannot be deleted. This condition can occur if an existing file definition in an FCT or on the CSD, was installed as enabled or open.

If the file is the Local Request Queue file (DFHLRQ), it is not possible to re-install it even if the file is closed and disabled.

System action
The install fails.

User response
Rectify the problem and try the install again.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. name
6. applid
7. opid

Destination
CSMT

DFHCA4805 E  
(date time applid tranid) Unable to perform operation: name is locked to APPLID applid, OPIID opid to prevent updating.

Explanation
An attempt has been made to lock, or update, a group or a list that is currently locked to another user.

System action
Processing continues.

User response
Reenter the command when the group or the list is not locked.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. name
6. applid
7. opid

Destination
CSMT

DFHCA4806 E  
(date time applid tranid) Group name grpname exists as a LIST name.

Explanation
An EXEC CICS CSD command specified a group name that is not valid because a list of the same name exists in the CSD.

Note:
A group and a list cannot coexist with the same name.

System action
Processing continues.
**User response**

Reissue the command with a valid group name.

**Module:** DFHAMP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. grpname

**Destination**

CSMT

**DFHCA4807 E**

```
Install failed for LSRPOOL with LSRPOOLNUM(lsroolnum). The MAXKEYLENGTH is less than 22 which is incorrect for use by the CSD.
```

**Explanation**

An attempt to install an LSRPOOL with LSRPOOLNUM lsroolnum has failed. The system detected that the installation of this LSRPOOL would cause the CSD to become not readable. The MAXKEYLENGTH parameter on this LSRPOOL definition is invalid for an LSRPOOL used by the CSD.

**System action**

This install fails and the previous LSRPOOL definition remains installed.

**User response**

The MAXKEYLENGTH parameter on the LSRPOOL definition must be at least 22 as this is the keylength required by the CSD. To resolve this problem, either change the LSRPOOL definition to have a MAXKEYLENGTH of 22 or greater, or change the DFHCSD file definition to use RLS or NSR.

**Module:** DFHAMP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid

**Destination**

CSMT

**DFHCA4809 E**

```
Date/time fields do not match (object updated by another user).
```

**Explanation**

The definition of an object on the CSD has been changed while the user was altering the definition.

**System action**

Processing continues.

**User response**

Reenter the command if the change is still necessary.

**Module:** DFHAMP
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid

Destination
CSMT

DFHCA4810 E date time applid tranid Object not found (deleted by another user).

Explanation
The definition of an object on the CSD has been deleted while the user was altering the definition.

System action
Processing continues.

User response
Determine why the definition has been deleted. Recreate and update the object if necessary.

Module:
DFHAMP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid

Destination
CSMT

DFHCA4811 E date time applid tranid name1 does not contain name2.

Explanation
The required object name2 could not be found on the CSD in group name1.

System action
Processing continues.

User response
Determine why the definition cannot be found.

Module:
DFHAMP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. name1
6. name2

Destination
CSMT

DFHCA4812 W date time applid tranid Install of LIBRARY libname encountered a data set {allocation | concatenation | open} failure. The LIBRARY is installed but disabled.

Explanation
Install of the dynamic LIBRARY resource libname has completed but one of the steps required for the successful completion of the LIBRARY install process has failed. The error occurred while attempting to do one of the following:

- Allocate a data set that was defined as one of the DSNAME attributes in the LIBRARY resource definition
- Concatenate the data sets together
- Open the LIBRARY concatenation.

The message text indicates which of these errors has occurred. Due to the error, the LIBRARY has been installed, but with an enablement status of DISABLED, which means that it will not participate in the search order used when loading programs and program artifacts.

System action
Processing continues. Even if the LIBRARY was defined with enablement status of ENABLED, the resource has been installed as DISABLED. Also, this LIBRARY will not be searched when program artifacts are loaded. Therefore, program artifacts that reside in the data sets defined for LIBRARY libname will not be loaded from this LIBRARY.

User response
Examine the messages issued by the Loader domain to determine the type of failure that occurred during
install processing for this LIBRARY. When the problem has been resolved, SET LIBRARY libname to ENABLED in order for the LIBRARY to participate in the dynamic library search order process.

**Module:** DFHAMP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. libname
6. Value chosen from the following options:
   1=allocation,
   2=concatenation,
   3=open

**Destination**
CSMT

**DFHCA4813 W** date time applid tranid Install of LIBRARY libname encountered an MVS ABEND. The LIBRARY is installed but disabled.

**Explanation**
Install of the dynamic LIBRARY resource libname has completed but one of the steps required for the successful completion of the LIBRARY install process has failed. Due to the error, the LIBRARY has been installed, but with an enablement status of DISABLED, which means that it will not participate in the search order used when loading programs and program artifacts.

**System action**
Processing continues. Even if the LIBRARY was defined with enablement status of ENABLED, the resource has been installed as DISABLED. Also, this LIBRARY will not be searched when program artifacts are loaded. Therefore, program artifacts that reside in the data sets defined for LIBRARY libname will not be loaded from this LIBRARY.

**User response**
Examine the messages issued by the Loader domain to determine the type of failure that occurred during install processing for this LIBRARY. When the problem has been resolved, SET LIBRARY libname to ENABLED in order for the LIBRARY to participate in the dynamic library search order process.

**Module:** DFHAMP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. libname

**Destination**
CSMT

**DFHCA4814 E** date time applid tranid List name listname exists as a group name.

**Explanation**
An EXEC CICS CSD command attempted to create a LIST but this failed because a group of the same name already exists in the CSD.

**Note:**
A group and a list cannot coexist with the same name.

**System action**
Processing continues.

**User response**
Re-issue the command with a valid list name.

**Module:** DFHAMP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. listname

**Destination**
CSMT

**DFHCA4815 E** date time applid tranid Group grpname not found in this list.
Explanation
The AFTER/BEFORE name entered in the command could not be found in this list.

System action
Processing continues.

User response
Reenter the command with a group name that exists on this list.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. grpname

Destination
CSMT

DFHCA4816 E date time applid tranid Unable to install group grpname - group not found.

Explanation
The LIST specified on an EXEC CICS CSD INSTALL LIST command contains an unusable group name grpname. CICS cannot find group grpname because no resources are defined as belonging to it.

System action
Processing continues.

User response
If you do not require group grpname, no action is required.

If group grpname is essential, determine why it is empty and attempt a separate install.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. date

Destination
CSMT

DFHCA4817 E date time applid tranid Install of LIBRARY libname failed with an MVS ABEND. The LIBRARY is not installed.

Explanation
Install of the dynamic LIBRARY resource libname has failed because of an MVS ABEND. Due to the error, the LIBRARY has not been installed, which means that it will not participate in the search order used when loading programs and program artifacts.

System action
Processing continues. This LIBRARY will not be searched when program artifacts are loaded. Therefore, program artifacts that reside in the data sets defined for LIBRARY libname will not be loaded from this LIBRARY.

User response
Examine the messages issued by the Loader domain to determine the type of MVS abend that occurred during install processing for this LIBRARY. When the problem has been resolved, re-install LIBRARY libname in order for the LIBRARY to participate in the dynamic library search order process.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. date

Destination
CSMT

DFHCA4819 E date time applid tranid Group already exists in this list.
Explaination
The group already exists in the list.

System action
Processing continues.

User response
Determine why the group exists and reenter the command, perhaps with a different group name.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CSMT

DFHCA4820 S  date time applid tranid Unable to perform request - CSD full.

Explanation
The CSD file is full.

System action
Processing continues.

User response
Reenter the command when more space is available.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CSMT

DFHCA4823 S  date time applid tranid Unable to perform request - DFHCSD not open.

Explanation
The CSD file (DFHCSD) is not open.

System action
Other processing continues.

User response
Ask the main terminal operator to open the file. The DFHCSD is defined in the bringup JCL and/or in the SIT.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CSMT

DFHCA4824 S  date time applid tranid Unable to perform request - Insufficient function in file definition for DFHCSD.

Explanation
An EXEC CICS CSD command that required more function than is currently defined for the CSD file was issued.

The most likely causes of this error are an incorrectly coded CSDACC parameter in the SIT, or that a SET FILE command for DFHCSD has changed the allowable functions.

System action:

User response
Determine whether the required function should have been allowed and, if necessary, modify CSDACC or use CEMT SET FILE to change the attributes of DFHCSD.

Module: DFHAMP
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid

Destination
CSMT

DFHCA4825 S date time applid tranid Unable to perform request - File Control has returned an INVREQ response.

Explanation
The file control file request handler (DFHFCFR) does not have sufficient function to support the command entered.

System action
The command is ignored.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHAMP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid

Destination
CSMT

DFHCA4826 S date time applid tranid Unable to perform request - CSD corrupted

Explanation
An attempt has been made to access a CSD file which has been corrupted.

1. The CSD file has been corrupted.

System action
Message DFHCA4826 is issued and CICS continues.

User response
Before the next CICS initialization, ensure that you have a SIT with the correct parameters for the definition of the DFHCSD file.

Assemble a new SIT as necessary.

Module:
DFHAMP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid

Destination
CSMT

DFHCA4827 S date time applid tranid Unable to perform request - DFHCSD could not be installed.

Explanation
During initialization, CICS finds a GRPLIST parameter in the system initialization table (SIT), but cannot access the CSD file because file control failed to install it.

System action
Message DFHCA4827 is issued and CICS continues.

User response
Before the next CICS initialization, ensure that you have a SIT with the correct parameters for the definition of the DFHCSD file.

Assemble a new SIT as necessary.

Module:
DFHAMP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid

Destination
CSMT

DFHCA4828 E date time applid tranid Group grpname not found.

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Explanation
The group name grpname in the command could not be found.

System action
The command is ignored.

User response
Retry the command with a group name that exists.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. grpname

Destination
CSMT

DFHCA4829 S  date time applid tranid Storage violation. CSD primary control record not updated.

Explanation
The in-store version of the CSD primary record was corrupted.

System action
The version on the CSD was not updated and is not necessarily affected.

User response
None.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CSMT

DFHCA4830 E  date time applid tranid resname already exists in the target group.

Explanation
The COPY operation could not be performed because a duplicate has been found in the target group.

System action
The COPY command is ignored.

User response
Reenter the command specifying DUPREPLACE or DUPNOREPLACE on the DUPACTION keyword.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. restype
6. resname

Destination
CSMT

DFHCA4831 E  date time applid tranid The new name name is longer than the four characters allowed for restype names.

Explanation
The specified name name is invalid because it is longer than four characters.

System action
The command is ignored.

User response
Enter a valid name.

Module:
DFHAMP
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. name
6. restype

Destination
CSMT

DFHCA4832 E date time applid tranid Unable to open TDQUEUE tdqname because the DFHINTRA data set is not open.

Explanation
An attempt to install the transient data queue tdqname on the CICS system has been rejected because the DFHINTRA data set is not open.

System action
Processing continues. The definition is not installed.

User response
It is not possible to install intrapartition definitions on a system that does not have a DFHINTRA data set defined and opened. If DFHINTRA has been defined, it may have failed to open during initialization. It is necessary to repair the data set and restart the system in order to open it.

Module:
DFHAMP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. tdqname

Destination
CSMT

DFHCA4833 E date time applid tranid A security error has occurred while attempting to install \{TDQUEUE

Explanation
An attempt to install the resource resourcename on the CICS system has been rejected because of an error encountered while performing a security check for the userid included within the definition.

System action
Processing continues. The definition is not installed.

User response
Refer to the associated messages issued by the security manager for further guidance. Reinstall the definition once the error has been corrected.

Module:
DFHAMP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1=TDQUEUE,
   10=URIMAP
6. resourcename

Destination
CSMT

DFHCA4834 E date time applid tranid Install of \{TDQUEUE | PROCESSTYPE | LIBRARY | URIMAP | ATOMSERVICE\} resourcename failed because the installed definition is not disabled.

Explanation
An attempt to install the resource resourcename on the CICS system has failed because the resource is not disabled.

System action
Processing continues. The definition is not installed.
User response
The specified resource must be disabled before it can be installed. Ensure that the resource is in the required state and then install the new definition.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1=TDQUEUE,
   2=PROCESSTYPE,
   5=LIBRARY,
   10=URIMAP,
   11=ATOMSERVICE
6. resourcename

Destination
CSMT

DFHCA4836 E date time applid tranid Install of DB2CONN db2conn-name failed because a DB2CONN is already installed and is in use.

Explanation
An attempt to install the DB2CONN db2conn-name on the CICS system has failed because there is an existing DB2CONN installed and it is in use by the CICS-DB2 adapter.

System action
Processing continues. The definition is not installed.

User response
Install a DB2CONN definition and then retry the install of the DB2ENTRY or DB2TRAN.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1=DB2ENTRY,
   2=DB2TRAN
6. name

Destination
CSMT
Install of DB2ENTRY db2entry-name failed because an existing definition could not be deleted. The existing definition is not disabled.

**Explanation**
An attempt to install the DB2ENTRY db2entry-name on the CICS system has failed because there is an existing DB2ENTRY of the same name which is not in a disabled state.

**System action**
Processing continues. The definition is not installed.

**User response**
Existing DB2ENTRY definitions can be replaced only when the DB2ENTRY is in a disabled state. Issue a command to disable the DB2ENTRY and then retry the install.

**Module:**
DFHAMP

---

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. db2entry-name

**Destination**
CSMT

---

**DFHCA4839 E**

*date time applid tranid* List listname not found.

**Explanation**
An EXEC CICS CSD INSTALL LIST command named a list listname that does not exist in the CSD file.

**System action**
Processing continues.

**User response**
Enter a valid list name.

**Module:**
DFHAMP

---

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. grpname

**Destination**
CSMT

---

**DFHCA4840 W**

*date time applid tranid* Group grpname not appended - group already exists in target list.

**Explanation**
The group grpname already exists in the target list.

**System action**
The group definition is not appended.

**User response**
None.

**Module:**
DFHAMP

---

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. grpname

**Destination**
CSMT

---

**DFHCA4841 E**

*date time applid tranid* Install failed because definition of restype resname is in use by task no. taskno (transaction id. tranid).

**Explanation**
An attempt was made to install object definition restype resname on the CICS system, but the installation failed because a read lock was held on that definition by task taskno.
System action
No definitions have been installed.

User response
Try the command again later.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. restype
6. resname
7. taskno
8. tranid

Destination
CSMT

DFHCA4842 E  
date time applid tranid Install failed because restype resname is currently in use.

Explanation
An attempt was made to install object definition restype resname on the CICS system, but the installation failed because the object was in use.

System action
No definitions have been installed.

User response
Try the command again later.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. GROUP/LIST
6. name
7. opid
8. applid

Destination
CSMT

DFHCA4843 W  
date time applid tranid GROUP/LIST name is internally locked to OPID opid APPLID applid.

Explanation
The identified GROUP or LIST name is internally locked to operator opid on CICS system applid when an attempt to install the GROUP or LIST occurred.

System action
The installation continues.

User response
Check that the installed definitions correspond to your requirements.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. GROUP/LIST
6. name
7. opid
8. applid

Destination
CSMT

DFHCA4850 E  
date time applid tranid Install of DB2TRAN db2tran-name failed because DB2ENTRY db2entry-name to which it refers has not been installed.

Explanation
An attempt to install the DB2TRAN db2tran-name on the CICS system has failed because the DB2ENTRY db2entry-name to which it refers, db2entry-name, has not been installed.

System action
Processing continues. The definition is not installed.
User response

Ensure that the name of DB2ENTRY in the DB2TRAN definition is correct. Install the necessary DB2ENTRY definition first then retry the install of the DB2TRAN.

Module:
DFHAMP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. db2tran-name
6. db2entry-name

**Destination**
CSMT

| DFHCA4851 E | date time applid tranid Install of {DB2ENTRY | DB2TRAN | DB2CONN | LIBRARY | ATOMSERVICE} name failed because of a security error. |
|-------------|-------------------------------------------------------------|

**Explanation**
An attempt to install the ATOMSERVICE, DB2CONN, DB2ENTRY, DB2TRAN, or LIBRARY name on the CICS system has been rejected because of an error encountered while performing a security check.

**System action**
Processing continues. The definition is not installed.

**User response**
See the associated messages issued by the security manager for further guidance. Correct the error. Then reinstall the definition.

Module:
DFHAMP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1=DB2ENTRY,
   2=DB2TRAN,
   3=DB2CONN,
   5=LIBRARY,
   11=ATOMSERVICE
6. name

**Destination**
CSMT

<table>
<thead>
<tr>
<th>DFHCA4852 W</th>
<th>date time applid tranid restype name resname begins with 'DFH' or 'EYU'. Such names are reserved and may be redefined by CICS.</th>
</tr>
</thead>
</table>

**Explanation**
A name beginning with DFH or EYU was specified.

**System action**
If the definition is installed, errors may occur.

**User response**
Names beginning with "DFH" and "EYU" are reserved and may be redefined by CICS. You should avoid starting names with "DFH" and "EYU".

Module:
DFHAMP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. restype
6. resname

**Destination**
CSMT

<table>
<thead>
<tr>
<th>DFHCA4853 E</th>
<th>date time applid tranid Install of DB2TRAN db2tran-name failed because another DB2TRAN is installed with the same transid.</th>
</tr>
</thead>
</table>

**Explanation**
An attempt to install the DB2TRAN db2tran-name on the CICS system has failed because there is another DB2TRAN installed that specifies the same
transid. You cannot install two DB2TRANs that specify the same transid.

System action
Processing continues. The definition is not installed.

User response
Examine the installed DB2TRAN definitions using inquire DB2TRAN commands to determine the name of the DB2TRAN specifying the same transid. If appropriate, discard that DB2TRAN and then reinstall this DB2TRAN.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. db2tran-name

Destination
CSMT

DFHCA4854 W date time applid tranid The specified {GROUP | LIST} contains objtype objects but no restype found.

Explanation
The specified GROUP or LIST contains objects that need a resource type of restype but no such resource type is listed in the GROUP or LIST.

System action
Processing continues.

User response
This may not be an error, but ensure that the resource type restype is installed before installing the GROUP or LIST.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1=GROUP,
   2=LIST
6. objtype
7. restype

Destination
CSMT

DFHCA4857 W date time applid tranid The specified {GROUP | LIST} contains more than one objtype.

Explanation
The specified GROUP or LIST contains more than one resource type objtype.

System action
Processing continues.

User response
Remove the duplication.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1=GROUP,
   2=LIST
6. objtype

Destination
CSMT

DFHCA4858 S date time applid tranid Unable to perform request - DFHCSD not enabled.
An EXEC CICS CSD command was issued by an application, but CICS cannot use the CSD file because it is disabled.

**System action**
Processing continues.

**User response**
Determine why the CSD file is disabled and reissue the EXEC CICS CSD command if appropriate.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid

**Destination**
CSMT

**Explanation**
The specified LIST contains DB2ENTRY or DB2TRAN definitions before a DB2CONN definition.

**System action**
Processing continues.

**User response**
A DB2CONN definition must be installed before DB2ENTRY and DB2TRAN definitions can be successfully installed. Ensure a DB2CONN definition is placed in a group before all DB2ENTRY and DB2TRAN definitions in the list, or in the first group in the list containing DB2ENTRYs or DB2TRANs.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid

**Destination**
CSMT

**Explanation**
The specified LIST contains DB2ENTRY and/or DB2TRAN definitions in a group containing no DB2CONN definition. No DB2CONN definition precedes it in the list.

**System action**
Processing continues.

**User response**
Wait until other CSD users have terminated their sessions, or specify a CSDSTRNO value of twice the number of concurrent transactions that access the CSD in the SIT.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid

**Destination**
CSMT

**Explanation**
Insufficient VSAM strings are available to allow the EXEC CICS CSD command to proceed.

**System action**
No commands that access the CSD may be executed.

**User response**
Wait until other CSD users have terminated their sessions, or specify a CSDSTRNO value of twice the number of concurrent transactions that access the CSD in the SIT.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid

**Explanation**
The specified LIST contains DB2ENTRY or DB2TRAN definitions in a group containing no DB2CONN definition. No DB2CONN definition precedes it in the list.

**System action**
Processing continues.

**User response**
A DB2CONN definition must be installed before DB2ENTRY and DB2TRAN definitions can be successfully installed. Ensure a DB2CONN definition is placed in a group before all DB2ENTRY and DB2TRAN definitions in the list, or in the first group in the list containing DB2ENTRYs or DB2TRANs.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid

**Destination**
CSMT

**Explanation**
The LOCK command executed successfully, but no group or list of that name exists.

**System action**
The name is locked.
User response
None.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. name

Destination
CSMT

DFHCA4864 S date time applid tranid Unable to perform operation - DFHCSD cannot be opened.

Explanation
CICS cannot use the CSD file for one of the following reasons:
1. The DDNAME or data set name of the CSD file is incorrectly coded in the startup JCL.
2. VSAM has diagnosed that the CSD file cannot be opened.
3. CICS file control cannot open DFHCSD because insufficient storage has been allocated by the job REGION= parameter.

System action
The command is not executed.

User response
The action to solve the problem depends on the cause as follows:
1. Correct the JCL.
2. Check the system operator’s console for VSAM messages, and correct all VSAM errors.
3. Increase the size limit of the DSAs or EDSAs.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time

Destination
CSMT

DFHCA4865 S date time applid tranid Unable to perform operation - DFHCSD currently accessed by another user.

Explanation
CICS cannot get read access to the CSD file because another region is accessing it, and the CSD cluster is defined to VSAM with either SHAREOPTIONS(1) or SHAREOPTIONS(2).

System action
The command is not executed and the CSD file is set in Unenabled status.

User response
Determine why a second CICS region is attempting to write to the CSD. See the Configuring for further details.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CSMT

DFHCA4866 E date time applid tranid Unable to perform operation: name is IBM protected.

Explanation
The user has attempted to change the contents of a group or list whose name begins with "DFH". These are IBM-protected.

System action
The command is not executed.
User response
You can copy from IBM-supplied groups or lists and change the copied group or list.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. name

Destination
CSMT

DFHCA4867 E  date time applid tranid File name
DFHCSD is reserved and must not be modified.

Explanation
You cannot define the CSD on the CSD itself.

System action
The command is not executed.

User response
Install group grpname via group install.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. restype
6. resname
7. grpname

Destination
CSMT

DFHCA4869 E  date time applid tranid Single resource install of restype resname in group grpname is not allowed.

Explanation
The install of restype resname is not allowed via single resource install. It must be installed via group install.
Destination
CSMT

DFHCA4872 S date time applid tranid Unable to connect to CICS catalog.

Explanation
DFHAMP was unable to connect to the CICS catalog for terminal installs.

System action
CICS terminates.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CSMT

DFHCA4873 S date time applid tranid Unable to disconnect the CICS catalog.

Explanation
DFHAMP was unable to disconnect the CICS catalog for terminal installs.

System action
CICS terminates.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

DFHCA4874 E date time applid tranid Install of {TSMODEL | ENQMODEL} rsrce-name1 failed because {PREFIX | ENQNAME} attribute-name already exists in {TSMODEL | ENQMODEL} rsrce-name2.

Explanation
An attempt to install the resource rsrce-name1 on the CICS system has failed because the attribute attribute-name already exists in the installed resource rsrce-name2.

If the resource being installed is an ENQMODEL, another ENQMODEL with the same or a more generic nested enqname is installed and enabled.

System action
Processing continues. The definition is not installed.

User response
If you are sure you need to install resource rsrce-name1 you need to discard resource rsrce-name2 before attempting the re-install.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   2=TSMODEL,
   3=ENQMODEL
6. rsrce-name1
7. Value chosen from the following options:
   2=PREFIX,
Explanation
There is no VTAM connection within the current group for the netname referenced in the specified partner.

System action
Other processing continues.

User response
None.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
date
2. time
time
3. applid
applid
4. tranid
tranid
5. partnername
partnername
6. netname
netname

Destination
CSMT

DFHCA4877 W date time applid tranid PARTNER partnername specifies a NETNAME and PROFILE for which there is no common implied SESSIONs definition.

Explanation
The netname in a partner definition implies an associated connection definition which is in turn associated with a session definition. The profile definition referenced in a partner definition specifies a modename which can be associated with a sessions definition. Within the current group, there is no common sessions definition implied by the specified partner definition.

System action
Other processing continues.

User response
None.

Module:
DFHAMP

DFHCA4876 W date time applid tranid PARTNER
partnername specifies NETNAME netname which is not found in any CONNECTION definition that specifies access method = VTAM.

Explanation
There is no VTAM connection within the current group for the netname referenced in the specified partner.

System action
Other processing continues.

User response
Try the command again.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
date
2. time
time
3. applid
applid
4. tranid
tranid
5. name
name
6. applid
applid
7. opid
opid

Destination
CSMT

DFHCA4875 E date time applid tranid Unable to perform operation: name is currently being updated by APPLID applid OPID opid - please retry later.
Explanation
During the execution of an INSTALL command for the group or list name, some of the elements in the group or list installed successfully, but at least one failed.

System action
Messages are produced indicating why the element or elements failed to install.

User response
Use the messages already produced to determine why the install failed and to rectify the problem.

Module:
DFHAMP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   9=IPCONN
6. resourcename

Destination
CSMT

DFHCA4879 W date time applid tranid Install of {IPCONN} resourcename failed because one with this name is already installed and is in use.

Explanation
An attempt to install the resource specified, resourcename, on the CICS system has failed because there is already an existing resource of this name installed and in use.

System action
Processing continues. The definition is not installed.

User response
The specified resource definition can be replaced or discarded only when it is out of service. Put the resource out of service before attempting to re-install it.

Module:
DFHAMP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1=GROUP,
   2=LIST
6. name

Destination
CSMT

DFHCA4880 S date time applid tranid Unable to perform operation - not allowed by file attributes for DFHCSD.

Explanation
The CSDACC parameter in the system initialization table for DFHCSD does not allow execution of the specified EXEC CICS CSD command. The CSDACC parameter specifies the type of access permitted to the file. This can be one of the following:

   READWRITE
   READONLY

In order for a particular command to function, the access must be set appropriately.

System action
The command is ignored.

DFHCA4881 W date time applid tranid [GROUP / LIST] name has been partially installed.
User response
Correct the CSDACC parameter in the SIT. The DFHCSD is defined in the bringup JCL and/or in the SIT.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CSMT

DFHCA4881 I  date time applid tranid Group name deleted.

Explanation
The Group grpname has been deleted from the CSD.

System action
Processing continues.

User response
Ensure that the deleted list is not used at a cold or initial start as the GRPLIST DFHSIT parameter.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. listname

Destination
CSMT

DFHCA4883 I  date time applid tranid List listname deleted.

Explanation
The List listname has been deleted from the CSD.

System action
Processing continues.

User response
Ensure that the deleted list is not used at a cold or initial start as the GRPLIST DFHSIT parameter.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. listname
6. restype
7. resname

Destination
CSMT

DFHCA4884 S  date time applid tranid restype name resname is reserved by CICS.

Explanation
The name resname you have selected for resource type restype is reserved by CICS and cannot be user defined.

System action
The command is rejected.

User response
Redefine resname and resubmit the command.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. listname
6. resname
DFHCA4885 E  date time applid tranid Install of IPCONN resourcename failed. Duplicate applid applid found.

Explanation
IPCONN resource resourcename was being installed but was found to have the same applid applid as an IPCONN which is already installed.

System action
The resource is not installed; CICS continues.

User response
If you want the definitions to be installed, correct the applid on this IPCONN and then reinstall the definition.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date 
2. time 
3. applid 
4. tranid 
5. resourcename 
6. applid 

Destination
CSMT

DFHCA4887 I  date time applid tranid Unrecognized resource type found in the CSD file and has been ignored.

Explanation
CICS has found an unrecognized resource type code in a CSD record. The unrecognized code does not match any of the function codes in the language definition table. This can occur for one of the following reasons:

1. You are using a CICS release that does not support a type of definition that was created on the CSD file by a later CICS release.
2. The language definition table (DFHEITSP and DFHEITCU) is invalid for this CICS release.
3. The CSD manager (DFHDMP) has passed an invalid CSD record buffer to DFHPUP. This is a CICS internal logic error.

System action
The resource is ignored and the operation continues.

User response
Determine which of the possible reasons caused the error. If you can eliminate reasons 1 and 2, you can assume that reason 3 applies.

Take action corresponding to the reason you have established as follows:

1. Ignore the message.
2. Ensure that the library contains versions of DFHEITSP and DFHEITCU that are valid for the CICS release you are running.
3. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date 
2. time 
3. applid 
4. tranid 

Destination
CSMT

DFHCA4888 I  date time applid tranid Group groupname removed from list listname.

Explanation
During the execution of a DELETE command, the group groupname was deleted from the CSD. As a result of that, the list listname was updated to remove the deleted group from it.

System action
Processing continues.

User response
None.

Module:
DFHAMP
**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. tranid  
5. groupname  
6. listname

**Destination**

CSMT

**DFHCA4889 E**

**Explanation**

An attempt to install the JOURNALMODEL, TSMODEL, TCPIPSERVICE, CORBASERVER, IPCONN, or URIMAP named `resourcename` on the CICS system failed because the attribute `attname` specified is not valid. If the attribute is CERTIFICATE, this may be due to one of the following reasons:

- The specified certificate does not exist
- The specified certificate is not properly constructed
- The specified certificate does not have an associated private key
- The specified certificate is not connected to the key ring with a correct USAGE.

**System action**

The definition is not installed.

**User response**

Correct the invalid parameter of the resource definition.

**Module:** DFHAMP

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. tranid  
5. Value chosen from the following options:  
   1=JOURNALMODEL,  
   2=TSMODEL,  
   7=TCPIPSERVICE,  
   8=CORBASERVER,  
   9=IPCONN,  
   10=URIMAP  
6. `resourcename`  
7. `attribute`  
8. `attname`

**Destination**

CSMT

**DFHCA4890 E**

**Explanation**

An attempt to install the named TDQUEUE `tdqname` on the local CICS system failed because it has been defined with the REMOTESYSTEM attribute and the TYPE cannot be determined.

**System action**

The definition is not installed.

**User response**

Make the definition a dual purpose one by specifying both REMOTE attributes and TYPE.

**Module:** DFHAMP

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. tranid  
5. `tdqname`

**Destination**

CSMT

**DFHCA4891 W**

Name `resname` begins with 'C'. Such names are reserved and may be redefined by CICS.
Explanation
A resource name starting with C was specified. Names starting with C are reserved and may be redefined by CICS.

System action
If the definition is installed, errors may occur.

User response
Specify a different resource name.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. resname

Destination
CSMT

DFHCA4892 W  date time applid tranid Install for group grpname has completed with errors.

Explanation
The install of group grpname is now complete. All resources that are valid for installation have been installed, and recorded if appropriate, on the CICS catalog. There were errors during the installation of some resources in the group and these resources have been backed-out.

System action
CICS continues. CICS issues messages identifying the cause of each installation failure.

User response
Use the associated messages issued to transient data queue CSMT to determine the cause of the errors. Once the cause of the errors has been eliminated, reinstall the group to install the missing definitions.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. grpname

Destination
CSMT

DFHCA4893 I  date time applid tranid Install for group grpname has completed successfully.

Explanation
The install of group grpname is now complete. All resources that are valid for installation have been installed, and recorded if appropriate, on the CICS catalog.

System action
CICS continues.

User response
None

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. grpname

Destination
CSMT

DFHCA4894 E  date time applid tranid Install of {ENQMODEL} rsrcrename1 failed because installed {ENQMODEL} rsrcrename2 is not disabled.

Explanation
An attempt to install the resource rsrcrename1 on the CICS system has failed because the resource rsrcrename2 is already installed and is not disabled.
**System action**
Processing continues. The definition is not installed.

**User response**
Resource rsrcence2 must be disabled or discarded before resource rsrcence1 can be installed. Ensure that resource rsrscience2 is in the required state and then install the new definition.

**Module:** DFHAMP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   3=ENQMODEL
6. rsrceanme1
7. Value chosen from the following options:
   3=ENQMODEL
8. rsrceanme2

**Destination**
CSMT

DFHCA4895 E  
**date time applid tranid** Install of TSMODEL rsrceanme in group groupname failed because TS was started using an assembled TST without the MIGRATE option.

**Explanation**
An attempt to install the TSMODEL rsrce_name in group groupname on the CICS system has failed because the system was started using an assembled TST without the MIGRATE option.

**System action**
Processing continues. The definition is not installed.

**User response**
If you want to install TSMODELs using RDO then either start CICS with a TST assembled with the TYPE=(INITIAL,MIGRATE) option or don't specify a TST in your SIT parameters.
**Explanation**

An attempt to install the resource `resourcename` on the CICS system has succeeded but the resource cannot be opened.

**System action**

The definition is installed.

**User response**

Determine the cause of the failure and then open the resource.

**Module:** DFHAMP

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *tranid*
5. Value chosen from the following options:
   - 1=TDQUEUE,
   - 7=TCPIPSERVICE
6. *resourcename*
7. Value chosen from the following options:
   - 1=OPENTIME=INITIAL,
   - 7=STATUS=OPEN

**Destination**

CSMT

**DFHCA4899 E**

`tdqname` cannot be replaced because the existing definition is for a different queue type.

**Explanation**

An attempt to install the transient data queue `tdqname` on the CICS system failed because its definition type is different from that of the definition already defined to the system.

**System action**

The definition is not installed.

**User response**

Either change the new definition so that it has the same type as the one currently installed on the system, or discard the current definition and then install the new one.

**Module:** DFHAMP
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. tdqname

Explanation
The install of obsolete group grpname has been detected.

System action
CICS continues.

User response
Do not install the named group for this release of CICS.

Module:
DFHAMOP

XMEOUT parameters/Message inserts

1. DATE
2. TIME
3. APPLID
4. grpname

Explanation
An attempt to install the resource resourcename1 on this CICS system has failed because it did not contain the attributes required for the current level of CICS. If the resource being defined was a REQUESTMODEL, the error is that the corbaserver name was blank. Having a blank corbaserver name indicates that the requestmodel is not at the correct level for this CICS system. If the resource being defined was a CORBASERVER, the error is that the UNAUTH tcpipservice name, which is mandatory for this level of CICS, was missing from the definition.

System action
The definition of resource resourcename is not installed.

User response
Ensure that you are using the correct level CSD or redefine the resource resourcename using the new attributes as required.

Module:
DFHAMOP, DFHAMEJ
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   - 1=CORBASERVER,
   - 2=REQUESTMODEL
6. resourcename
7. Value chosen from the following options:
   - 1=CORBASERVER,
   - 2=REQUESTMODEL

Destination

CSMT

DFHCA4903 E  date time applid tranid Install for TCPIPSERVICE tcpipservice has failed because the service is open.

Explanation
The install of TCPIPSERVICE tcpipservice has failed because the service is open.

System action
The install fails.

User response
Close the service and retry the install.

Module:
DFHAM

DFHCA4904 W  date time applid tranid Opening TCPIPSERVICE tcpipservice has

DFHCA4905 E  date time applid tranid Install failed for resource. Option opt is not available on this system.

Explanation
The install of the resource resource has failed because the current CICS system has not been configured to support the specified option opt.

System action
The install fails.

User response
Reconfigure the CICS system by specifying appropriate system initialization parameters to support the specified option. Then restart CICS.

Module:
DFHAM
**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. tranid  
5. resource  
6. opt

**Destination**

CSMT

| DFHCA4906 W | date time applid tranid Opening TCPIPSERVICE tcpipservice has failed because port portno is not authorized. |

**Explanation**

Opening TCPIPSERVICE tcpipservice has failed because the specified port number is not authorized.

**System action**

The resource is installed and left in the closed state. The message DFHSO0111 is written to the transient data queue CSOO.

**User response**

Select a port that is authorized. See the description of message DFHSO0111 for more information.

**Module:**

DFHAMP

---

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. tranid  
5. tcpipservice  
6. Value chosen from the following options:  
   1=IP address,  
   2=host

**Destination**

CSMT

| DFHCA4907 W | date time applid tranid Opening TCPIPSERVICE tcpipservice has failed because the {IP address / host} is not known. |

**Explanation**

Opening TCPIPSERVICE tcpipservice has failed because either the specified IP address or the specified host is not known. If an IPv6 address is being used either explicitly or because the specified host resolves to an IPv6 address, the open will fail if the TCP/IP stack does not support IPv6.

**System action**

The resource is installed but left in the closed state. Message DFHSO0110 or message DFHSO0117 is written to the transient data queue CSOO.

**User response**

Check that the TCP/IP stack supports the type of IP address being used and also ensure that the host or IP address is known.

If IPv6 addresses are being used, check that the TCP/IP stack supports IPv6. See the z/OS Communications Server IP Diagnosis Guide on using Netstat to find information about the stack.

Refer to the description of message DFHSO0110 or message DFHSO0117 for more information.

**Module:**

DFHAMP

---

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. tranid  
5. tcpipservice  
6. Value chosen from the following options:  
   1=IP address,  
   2=host

**Destination**

CSMT

| DFHCA4908 E | date time applid tranid Install of DOCTEMPLATE doctemplate1 failed because TEMPLATENAME(template) already exists in DOCTEMPLATE doctemplate2. |

---

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**Explanation**
The install of DOCTEMPLATE `doctemplate1` has failed because the TEMPLATENAME selected is already in use as the full template name for document template `doctemplate2`.

**System action**
The install fails.

**User response**
Either select a different TEMPLATENAME for `doctemplate1`, or discard the document template definition for `doctemplate2`.

**Module:**
DFHAMDH

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `doctemplate`
6. `ddname`

**Destination**
CSMT

**Explanation**
The install of DOCTEMPLATE `doctemplate` has failed because the DDNAME(`ddname`) selected is not the name of a Data Definition statement for a partitioned dataset in the JCL for the current CICS job. `ddname` should be allocated to a PDS containing document templates to be used by the Document Handler domain.

**System action**
The install fails.

**User response**
Either select a DDNAME that does exist in the JCL for the current CICS job, or stop and restart CICS with the required DD statement added.

**Module:**
DFHAMDH

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `doctemplate`
6. `membername`
7. `ddname`

**Destination**
CSMT

**Explanation**
The install of DOCTEMPLATE `doctemplate` has failed because member `membername` was not found in any of the partitioned datasets specified in the `ddname` concatenation.

**System action**
The install fails.

**User response**
Ensure that member `membername` exists in one of the template libraries specified before installing the DOCTEMPLATE that references it.

**Module:**
DFHAMDH

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `doctemplate`
6. `membername`
7. `ddname`
**Explanation**

Transaction `tranid` was successfully installed but at least one of the specified aliases (ALIAS, TASKREQ or XTRANID) failed to be installed because it already exists as a primary transaction.

**System action**

The resource is installed but the alias is not.

**User response**

Find out which of the aliases is conflicting with a primary transaction id and change its name.

**Module:** DFHAMP

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `resource`
6. `resourcename`
7. `attribute`

**Destination**

CSMT

**DFHCA4912 E**

`date time applid tranid` Install of `resourcename` failed because `attribute` is invalid for this release.

**Explanation**

An attempt to install the resource named `resourcename` on this CICS system failed because the `attribute` specified is not valid as it is an obsolete attribute.

**System action**

The definition is not installed.

**User response**

Remove the invalid parameter of the resource definition.

**Module:** DFHAMP

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `resource`
6. `resourcename`
7. `attribute`
8. Value chosen from the following options:
   - 9=IPCWIN
9. `IPCONN`
10. `resourcename`
Destination
CSMT

DFHCA4914 E date time applid tranid Install of resourcetype resourcename failed.
The specified targetresource is unusable.

Explanation
Resource resourcename cannot be installed because the target resource targetresource with which it is associated is not usable.

System action
The resource is not installed.

User response
Discover why the target resource is not usable. It may not exist, or may not have been defined before it is being used. Create or define the referenced target resource.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. resourcetype
6. resourcename
7. targetresource

Destination
CSMT

DFHCA4915 E date time applid tranid Install of resourcetype resourcename has abended.

Explanation
Resource resourcename cannot be installed because an abend occurred when opening the data set dsname that contains it.

System action
The resource is not installed.

User response
Look for an earlier IEC143I, IEC144I, IEC145I, IEC148I, IEC150I, or IEC153I message that explains why the dataset could not be opened. Correct whatever problem is described in the related message.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. resourcetype
6. resourcename
7. dsname

Destination
CSMT

DFHCA4916 E date time applid tranid TCPIPSERVICE tcpipservice has not been opened because the MAXSOCKETS limit has been reached.

Explanation
TCPIPSERVICE tcpipservice has not been opened because the number of active sockets in the system is equal to the current MAXSOCKETS value.

System action
The resource is installed but left in the closed state.

User response
Determine whether your MAXSOCKETS setting is adequate to handle normal system loads. If it is, then this may be a transient condition caused by a peak in work that uses sockets, and you may be able to use CEMT to open the TCPIPSERVICE once the workload diminishes. If not, use CEMT SET SYSTEM to increase the number of sockets in the system.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. tcpipservice

Destination
CSMT

DFHCA4917 W date time applid tranid
{CORBASERVER | TCPIPSERVICE | IPCONN | URIMAP} resourcename
was installed with a reduced set of CIPHER codes.

Explanation
The specified resource resourcename was installed but
the the set of cipher codes which the resource was
originally defined with has been reduced at install time
because the running system did not support all of the
ciphers specified.

System action
The resource is installed with a reduced set of cipher
codes.

User response
Determine whether your CIPHERS setting is acceptable.

Module:
DFHAM P

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1=CORBASERVER,
   7=TCPIPSERVICE,
   9=IPCONN,
   10=URIMAP
6. resourcename

Destination
CSMT

DFHCA4918 E date time applid tranid
The installation of {CORBASERVER |
TCPIPSERVICE | IPCONN | URIMAP} resourcename
has failed because its requested CIPHER list
was rejected.

Explanation
Resource resourcename cannot be installed because
all of the cipher codes specified for the resource have
been rejected by the running system.

System action
The resource is not installed.

User response
Determine what your CIPHERS setting should be for
the current MVS system.

Module:
DFHAM P

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1=CORBASERVER,
   7=TCPIPSERVICE,
   9=IPCONN,
   10=URIMAP
6. resourcename

Destination
CSMT

DFHCA4919 E date time applid tranid
The installation of {TCPIPSERVICE |
IPCONN | URIMAP} resourcename
has failed because CIPHERS file
filename was not found.

Explanation
Resource resourcename cannot be installed because
the CIPHERS file was not found.

System action
The resource is not installed.
User response
Correct the CIPHERS file name.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1=CORBASERVER,
   2=DJAR,
   3=PIPELINE,
   4=WEBSERVICE,
   5=LIBRARY,
   6=BUNDLE,
   7=JVMSERVER
6. resourcename
7. filename

Destination
CSMT

DFHCA4920 E  date time applid tranid The installation of {CORBASERVER | DJAR | PIPELINE | WEBSERVICE | LIBRARY | BUNDLE | JVMSERVER} resourcename has failed because it is a duplicate of one which already exists.

Explanation
The installation of the specified resource resourcename has failed because a resource with this name already exists in your running CICS system.

System action
The resource is not installed.

User response
For some resources, it is not possible to do an update (add/replace). Select a different resource name which is not known to the system. Or, if you want to use the same resource name, you must discard the resource first. The resource may need to be disabled before it can be discarded or updated.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1=CORBASERVER,
   2=DJAR,
   3=PIPELINE,
   4=WEBSERVICE,
   5=LIBRARY,
   6=BUNDLE,
   7=JVMSERVER
6. resourcename

Destination
CSMT

DFHCA4928 E  date time applid tranid Install of {TCPIPSERVICE | CORBASERVER | IPCONN | URIMAP} resourcename failed because the specified certificate attname {is expired | is not yet current | is not owned by this CICS | is not trusted | is not found}.

Explanation
Resource resourcename cannot be installed because the specified certificate is unusable. An explanatory phrase in the message describes why:

expired
The date and time at which the certificate is no longer valid has already passed.

not yet current
The date and time at which the certificate is to become active has not yet been reached.

not owned by this CICS
The specified certificate belongs to a user other than the current CICS region userid. Only certificates belonging to the CICS region userid can be used by CICS.
not trusted
The certificate has been given the NOTRUST attribute by the security administrator. This indicates that the certificate is not to be used.

not found
The certificate is not found.

System action
The resource is not installed.

User response
Replace the certificate in the keyring with one that is usable, or specify a different certificate.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   7=TCPIPSERVICE,
   8=CORBASERVER,
   9=IPCONN,
   10=URIMAP
6. resourcename
7. attname
8. Value chosen from the following options:
   1=is expired,
   2=is not yet current,
   3=is not owned by this CICS,
   4=is not trusted,
   5=is not found

Destination
CSMT

DFHCA4929 E date time applid tranid {URIMAP} (resourcename) was not installed because of conflicting attributes.

Explanation
Resource resourcename cannot be installed because the specified attributes are inconsistent. This could indicate an internal problem within CICS, because attribute inconsistencies should be resolved in the RDO DEFINE command.

System action
The resource is not installed.

User response
Remove the conflicting attributes.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   10=URIMAP
6. resourcename

Destination
CSMT

DFHCA4930 E date time applid tranid URIMAP(urimap1) not installed because it maps the same URI as urimap2.

Explanation
URIMAP urimap1 cannot be installed because it will map the same HOST and PATH (and optional TCPIPSERVICE) as urimap2, which is already installed. Each URIMAP must map a unique combination of these parameters.

System action
The resource is not installed.

User response
Specify a different HOST, PATH, or TCPIPSERVICE attribute.

Module:
DFHAMP
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. urimap1
6. urimap2

Destination

CSMT

DFHCA4931 E date time applid tranid The installation of WEBSERVICE resourcename failed because the associated {WSBIND file | PIPELINE} does not exist.

Explanation
WEBSERVICE webservice cannot be installed because the associated PIPELINE cannot be found.

System action
The resource is not installed.

User response
Ensure that the PIPELINE definition is correct and the PIPELINE is installed.

Module:
DFHAMP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   3=PIPELINE,
   4=WEBSERVICE
6. resourcename
7. Value chosen from the following options:
   2=zFS file,
   3=PIPELINE

Destination

CSMT

DFHCA4932 E date time applid tranid The installation of PIPELINE resourcename failed because the WSDIR file specified is not accessible.

Explanation
PIPELINE pipeline cannot be installed because the WSDIR specified is not correct and therefore the directory cannot be accessed.
System action
The resource is not installed.

User response
Ensure that the zFS file definitions of the WSDIR are correct, remembering that case is significant.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. resourcename
6. hcodepage
7. charset

Destination
CSMT

DFHCA4934 E  date time applid tranid Install of {TCPIPSERVICE | CORBASERVER | IPCCONN | URIMAP} resourcename failed because the KEYRING has no default certificate.

Explanation
The specified resource resourcename is not installed because no certificate label was specified in the CERTIFICATE attribute, and no default certificate exists in the keyring for this CICS system.

System action
The resource is not installed.

User response
Either specify a valid certificate label in the CERTIFICATE attribute for resourcename, or designate one of the certificates in the keyring as a default.

If you are using the z/OS Security Server (RACF) you designate a certificate as default using the RACDCERT command.

Note:
Whenever you change a keyring, either by adding or removing certificates, or by changing a certificate's status to or from default, the changes are not reflected in CICS until you restart the CICS address space.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   7=TCPIPSERVICE,
   8=CORBASERVER,
   9=IPCONN,
   10=URIMAP

6. **resourcename**

**Explanation**

BUNDLE **resourcename** cannot be installed because a manifest was not found in the specified bundle root directory.

**System action**

The resource is not installed.

**User response**

Ensure that the root directory specified in the BUNDLEDIR is correct.

**Module:**

DFHAMP

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **tranid**
5. **resourcename**

**Explanation**

BUNDLE **resourcename** failed because the manifest found was not valid.

**System action**

The resource is not installed.

**User response**

Ensure that the manifest in the bundle's root directory is valid.

**Module:**

DFHAMP

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **tranid**
5. **resourcename**

**Explanation**

BUNDLE **resourcename** has been installed as disabled because one or more of its associated resources failed to install.

**System action**

The resource is installed as disabled.

**User response**

Examine any error messages issued on the log to determine the cause of the installation failure of any associated resources.

**Module:**

DFHAMP

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. applid
4. tranid
5. resourcename

**Destination**
CSMT

DFHCA4939 E  

*date time applid tranid*
The installation of ATOMSERVICE resourcename failed due to a configuration error.

**Explanation**
ATOMSERVICE resourcename cannot be installed because it could not be configured successfully.

**System action**
The resource is not installed.

**User response**
Ensure that the CONFIGFILE defined for ATOMSERVICE resourcename is correct.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. resourcename

**Destination**
CSMT

DFHCA4940 E  

*date time applid tranid* Install of MQCONN mqconn-name failed because an MQCONN is already installed and is in use.

**Explanation**
An attempt to install the MQCONN mqconn-name on the CICS system has failed because there is an existing MQCONN installed and it is in use by the CICS-MQ adapter.

**System action**
Processing continues. The definition is not installed.

**User response**
Only one MQCONN can be installed on the CICS system at a time. The install of a second MQCONN implies the discarding of the first MQCONN and its associated MQINI.

An MQCONN definition can be replaced or discarded only when it is not in use by the CICS-MQ adapter. Ensure that the CICS-MQ interface has been stopped before trying to install an MQCONN definition.

**Module:**

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. mqconn-name

**Destination**
CSMT

DFHCA4941 E  

*date time applid tranid* The installation of {ATOMSERVICE} resourcename failed because the {CONFIGFILE / BINDFILE} does not exist.

**Explanation**
The specified resourcename cannot be installed because the UNIX System Services file specified as the CONFIGFILE or BINDFILE does not exist.

**System action**
The resource is not installed.

**User response**
Ensure that the appropriate file is defined.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
Destination
CSMT

DFHCA4942 E  

The installation of {ATOMSERVICE} resourcename failed because CICS does not have authority to access the {CONFIGFILE | BINDFILE}.

Explanation
The specified resourcename cannot be installed because the CICS region user ID does not have permission to access the UNIX System Services file specified as the CONFIGFILE or BINDFILE.

System action
The resource is not installed.

User response
Either specify the name of a different file to which the CICS region user ID has access, or use the file authorization facilities of UNIX System Services (such as the chmod command) to grant permission to the CICS region user ID to access the specified file.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   11=ATOMSERVICE
6. resourcename
7. Value chosen from the following options:
   1=CONFIGFILE,
   2=BINDFILE

Destination
CSMT

DFHCA4943 E  
The installation of {ATOMSERVICE} resourcename failed because the associated {CONFIGFILE | BINDFILE | URIMAP} is invalid.

Explanation
The specified resourcename cannot be installed because the associated CONFIGFILE, BINDFILE or URIMAP was found to be invalid.

System action
The resource is not installed.

User response
Correct the invalid CONFIGFILE or BINDFILE. If the failure is for a URIMAP then it could be caused by the same path being specified in another URIMAP installed in CICS.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   11=ATOMSERVICE
6. resourcename
7. Value chosen from the following options:
   1=CONFIGFILE,
   2=BINDFILE,
   3=URIMAP

Destination
CSMT

DFHCA4944 W  
JVMSERVER resourcename has been installed with fewer threads than requested on its definition.
Explanation
The specified JVMSERVER resourcename was installed with fewer threads than the requested THREADLIMIT value on its resource definition.

System action
The resource is installed with limited threads.

User response
Ensure that you have the correct THREADLIMIT specified on the JVMSERVER definition. If the THREADLIMIT is correct, consider lowering the THREADLIMIT value of other installed JVMSERVERs so that this JVMSERVER can acquire more threads.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. resourcename

Destination
CSMT

DFHCA4945 W  date time applid tranid
JVMSERVER resourcename has been installed as disabled with a THREADLIMIT of 0.

Explanation
The specified JVMSERVER resourcename was installed as disabled with a THREADLIMIT value of 0 because there are not enough threads available in the running CICS system.

System action
The resource is installed as disabled.

User response
Ensure that you have the correct THREADLIMIT specified on the JVMSERVER definition. If the THREADLIMIT is correct, consider lowering the THREADLIMIT value of other installed JVMSERVERs so that this JVMSERVER can acquire some threads and be enabled.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
6=BUNDLE
6. resourcename

Explanation
The specification of resourcename cannot be installed because the CICS region user ID does not have permission to access the manifest found in the bundle root directory specified in BUNDLEDIR.

System action
The resource is not installed.

User response
Either specify the name of a different file to which the CICS region user ID has access, or use the file authorization facilities of UNIX System Services (such as the chmod command) to grant permission to the CICS region user ID to access the specified file.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
6=BUNDLE
6. resourcename
The installation of \{BUNDLE\} resourcename failed because an unexpected resource error occurred.

**Explanation**
The specified resourcename cannot be installed because an unexpected error occurred.

**System action**
The resource is not installed.

**User response**
Review any other error messages that have been issued, and take appropriate action. If the problem persists, contact your IBM support representative for further assistance.

**Module:** DFHAMP

---

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   - 6=BUNDLE
   - 6. resourcename

---

Installation of resourcetype resources is not supported on this release.
CICS Transaction Server Version version.release was the last release to support this type of resource.

**Explanation**
Definitions of resourcetype resources cannot be installed on this release. CICS Transaction Server Version version.release was the last release to support this type of resource.

**System action**
The resource is not installed.

**User response**
Review your use of these resources.

**Module:** DFHAMP

---

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. resourcetype
6. version.release

---

Installation failed because restype resname has already been installed by a BUNDLE resource.

**Explanation**
An attempt was made to install resource definition restype resname on the CICS system, but the installation failed because the resource has already been installed by a BUNDLE resource.

**System action**
No definitions have been installed.

**User response**
Discard the currently installed resource to install the new resource definition.

**Module:** DFHAMP

---

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. restype
6. resname
Definition

CSMT

**DFHCA4950** E  
*date* *time* *applid* *tranid* BUNDLE definition failed because restype resname has already been installed.

**Explanation**

An attempt was made to install BUNDLE defined resource restype resname on the CICS system. The installation failed because the resource has already been installed.

**System action**

No definitions have been installed.

**User response**

Discard the currently installed resource to install the new resource definition.

**Module:** DFHAMP

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *tranid*
5. *restype*
6. *resname*

---

**Destination**

CSMT

**DFHCA4951** E  
*date* *time* *applid* The installation of (BUNDLE) resourcename failed because the BASESCOPE attribute is invalid.

**Explanation**

The specified resourcename cannot be installed because the BASESCOPE attribute is invalid.

**System action**

The resource is not installed.

**User response**

Ensure the BASESCOPE attribute is well formed for defined formats and reinstall the resource.

**Module:** DFHAMP

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. Value chosen from the following options:
   6=BUNDLE
5. *resourcename*

---

**Destination**

CSMT

**DFHCA4952** E  
*date* *time* *applid* The installation of standalone CICS bundle resourcename failed because its ID and version are a duplicate of a standalone CICS bundle that already exists.

**Explanation**

The installation of the specified resource resourcename has failed because your running CICS system already contains a CICS bundle with the same ID and version that was not installed as part of an application or platform.

**System action**

The resource is not installed.

**User response**

The existing bundle must be discarded before the new bundle can be created. Refer to message DFHRL0125, which is written to the transient data queue CRLO, to determine the bundle ID and version of the duplicate bundle.

**Module:** DFHAMP

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
Installation failed because restype resname has already been loaded from a BUNDLE resource.

Explanation
An attempt was made to install resource definition restype resname on the CICS system, but the installation failed because the resource has already been loaded from a LIBRARY installed by a BUNDLE resource.

System action
No definitions have been installed.

User response
Discard the currently installed resource to install the new resource definition.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. restype
5. resname

Destination
CSMT

System action
The URIMAP resource is installed without a certificate supplied.

User response
Determine whether your CERTIFICATE setting is acceptable.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   - 10=URIMAP
5. resurcename

Explanation
The specified URIMAP resurcename is installed successfully, but no certificate label was specified in the CERTIFICATE attribute, and no default certificate exists in the keyring for this CICS system.

System action
The resource is installed but left in the closed state.

User response
Install and open the specific TCPIPSERVICE before attempting to open this resource.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. tcpipservice
3. speciftps
Destination

Console and Terminal End User

DFHCA4957 E applid Opening TCPIPSERVICE tcpipservice has failed because its specific TCPIPSERVICE speciftcps is not open.

Explanation

Opening TCPIPSERVICE tcpipservice has failed because the specific TCPIPSERVICE speciftcps it requires is not open.

System action

The resource is installed but left in the closed state.

User response

Open the specific TCPIPSERVICE before attempting to open this resource.

Module:

DFHAMP

XMEOUT parameters/Message inserts

1. applid
2. tcpipservice
3. speciftcps

Destination

Console and Terminal End User

DFHCA4958 E applid Opening TCPIPSERVICE tcpipservice has failed because its specific TCPIPSERVICE speciftcps is in use by another TCPIPSERVICE.

Explanation

Opening TCPIPSERVICE tcpipservice has failed because the specific TCPIPSERVICE speciftcps it requires is currently associated with another generic TCPIPSERVICE. Only one generic TCPIPSERVICE can use a specific TCPIPSERVICE at any time.

System action

The resource is installed but left in the closed state.

User response

Modify this TCPIPSERVICE so that it includes the name of a different specific TCPIPSERVICE and reinstall it.

Module:

DFHAMP

XMEOUT parameters/Message inserts

1. applid
2. tcpipservice
3. speciftcps

Destination

Console and Terminal End User

DFHCA4959 E applid Opening TCPIPSERVICE tcpipservice has failed because its specific TCPIPSERVICE speciftcps has different security settings.

Explanation

Opening TCPIPSERVICE tcpipservice has failed because the specific TCPIPSERVICE speciftcps has different security settings. Both resources must have identical security settings for the open to succeed.

System action

The resource is installed but left in the closed state.

User response

Modify the security settings in one of these resources and reinstall it.

Module:

DFHAMP

XMEOUT parameters/Message inserts

1. applid
2. tcpipservice
3. speciftcps

Destination

Console and Terminal End User

DFHCA4960 E applid Opening TCPIPSERVICE tcpipservice has failed because its specific TCPIPSERVICE speciftcps is not one in use as a specific IPIC end point.

Explanation

Opening TCPIPSERVICE tcpipservice has failed because the specific TCPIPSERVICE speciftcps is not one in use as an IPIC specific end point. Generic

Chapter 2. CICS messages 317
TCPIPSERVICEs must reference a TCPIPSERVICE that is a specific IPIC end point for the local region.

**System action**
The resource is installed but left in the closed state.

**User response**
Modify the SPECIFTCP attribute in the resource definition, so that it names a TCPIPSERVICE that can be used as a specific IPIC end point, and reinstall it.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. applid
2. tcpipservice
3. speciftcps

**Destination**
Console and Terminal End User

**Explanation**
JVMSERVER jvmserver cannot be installed because the PROFILEDIR specified is longer than the maximum length of 240 characters and therefore the profile cannot be accessed.

**System action**
The resource is not installed.

**User response**
Place the profile directory in a directory with a shorter name.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. resourcename

**Destination**
CSMT

**Explanation**
An attempt to install MQMONITOR mqmon-name on the CICS system has failed because there is an existing MQMONITOR installed and it is in use.

**System action**
Processing continues. The definition is not installed.

**User response**
The specified resource definition can be replaced or discarded only when it is not started or enabled. Disable and stop the resource before attempting to re-install it.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. applid
2. mqmon-name

**Destination**
Console and Terminal End User

**Explanation**
An attempt to install MQMONITOR name on the CICS system failed because there is no MQCONN installed. MQMONITORs can be installed only after an MQCONN has been installed.

**System action**
Processing continues. The definition is not installed.

**User response**
Install an MQCONN definition and then retry the install of the MQMONITOR.

**Module:**
DFHAMP
XMEOUT parameters/Message inserts
1. applid
2. mqmon-name

Destination
Console and Terminal End User

**DFHCA4964 W**  
*DATE TIME APPLID* Install of obsolete group *grpname* from list *listname* detected.

Explanation
The install of obsolete group *grpname* has been detected.

System action
CICS continues.

User response
 Remove the group from the named list used for this release of CICS.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. DATE
2. TIME
3. APPLID
4. grpname
5. listname

Destination
CSMT

**DFHCA4965 E**  
*applid* Install of MQMONITOR *mqmon-name* failed because a value for MONUSERID has not been specified.

Explanation
An attempt to install MQMONITOR *name* on the CICS system failed because a value for MONUSERID has not been specified.

System action
Processing continues. The definition is not installed.

User response
Correct the security definitions then retry the install of the MQMONITOR.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. mqmon-name

Destination
Console and Terminal End User

**DFHCA4966 E**  
*applid* Install of MQMONITOR *mqmon-name* failed because the current user is not a surrogate of MONUSERID.

Explanation
An attempt to install MQMONITOR *name* on the CICS system failed because the current user is not authorized to either install the MQMONITOR or start the associated transaction.

System action
Processing continues. The definition is not installed.

User response
Provide a value for MONUSERID then retry the install of the MQMONITOR.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. applid
2. mqmon-name

Destination
Console and Terminal End User

**DFHCA4967 E**  
*DATE TIME APPLID* Obsolete LE definitions detected. CICS will terminate.

Explanation
CICS has detected use of obsolete LE definitions installed from CEE group. CEE group must not be
used as CICS will system autoinstall the required definitions.

**System action**
CICS terminates.

**User response**
Refer to the earlier message DFHCA4964 to determine which group list contains the CEE group. Remove the CEE group from the group list. Also do not install CEE group via CEDA.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. `DATE`
2. `TIME`
3. `APPLID`

**Destination**
Console and CSMT

**DFHCA4968 I**
`date time applid resourcetype 'resourcename' were overridden. Installation continues.`

**Explanation**
Override values from the resource overrides file were applied to one or more attributes of the `resourcetype` resource `resourcename`. However, the resulting resource definition is invalid and cannot be installed.

**System action**
Installation of the resource fails.

**User response**
Refer to the earlier DFHCAnnnn messages for details of the error found in the overridden resource definition.

**Module:**
DFHAMAO

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `resourcetype`
5. `resourcename`

**Destination**
CSMT

**DFHCA4970 I**
`date time applid Override value 'attributevalue' was applied to attributename attribute of resourcetype 'resourcename'.`

**Explanation**
The override value `attributevalue` from the resource overrides file was applied to the resource definition attribute `attributename` of the `resourcetype` resource `resourcename`.

**System action**
Installation of the resource continues.
User response
None.

Module:
DFHAMAO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. attributevalue
5. attributename
6. resourcetype
7. resourcename

Destination
CSMT

DFHCA4972 E  date time applid Override rule with {prefix | suffix} action for attribute attributename of resourcetype resource resourcename is invalid. Initial attribute value is a null string.

Explanation
Override rule for the specified resource with the prefix or suffix override action cannot complete because the attribute attributename is either not defined or has a null value.

System action
Installation of the resource fails. If this error occurs during GRPLIST installation CICS will be abnormally terminated with the message DFHSI1612.

User response
Correct the attribute or remove the override rule in the resource overrides file and restart CICS.

Module:
DFHAMAO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=prefix,
   2=suffix
5. attributename
6. resourcetype
7. resourcename

DFHCA4973 E  date time applid Override rule with {prefix | suffix | find/replace} action for resourcetype resourcename attribute attributename results in an attribute value that is too long.

Explanation
Override rule for the specified resource that specifies the prefix, suffix, find or replace override action for the specified character attribute results in an attribute value that is greater than its permitted maximum length.

System action
Installation of the resource fails. If this error occurs during GRPLIST installation CICS is then abnormally terminated with message DFHSI1612.

User response
Correct or remove the override rule in the resource overrides file and restart CICS.

Module:
DFHAMAO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=prefix,
   2=suffix
   3=find/replace
5. resourcetype
6. resourcename
7. attributename
Destination
CSMT

**DFHCA4999 E**  
*date time applid tranid Install of resourcetype resources is not supported.*

**Explanation**
An attempt to install resource type *resource* on this CICS system is not possible as the code for install has been disabled for this resource type.

**System action**
Processing continues. The definition is not installed.

**User response**
You may define resource definitions for resource *resource* but until full support is available, you cannot INSTALL them.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *tranid*
5. *resourcetype*

Destination
CSMT

**DFHCA5101 I**  
*date time applid netname tranid command command executed successfully.*

**Explanation**
The execution of a CSD utility command *command* completed successfully.

**System action**
Normal processing continues.

**User response**
None.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *netname*
5. *tranid*
6. *modname*
7. *abcode*
**Explanation**

The CSD utility issued messages during syntax-checking and execution of the `command` command.

**System action**

Normal utility processing continues to the end of the job.

**User response**

Review the warning messages to see how they have affected utility processing. Then decide whether you need to submit a further CSD utility job.

**Module:** DFHCAP

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `netname`
5. `tranid`
6. `command`

**Destination**

CSMT

**DFHCA5103 I** `date time applid netname tranid`

Error(s) occurred while processing `command` command.

**Explanation**

The CSD utility either found a syntax error in the utility command `command`, or the command `command` failed to execute correctly.

**System action**

Utility command execution is terminated.

If commands are being read from a SYSIN data stream by the utility, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)
There should be associated error messages which identify the problem that caused DFHCS DUP to halt active processing. These messages should appear in the DFHCS DUP output before message DFHCA5104 is issued.

**Module:** DFHCAP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid

**Destination**

CSMT

**DFHCA5105 W**

date applid netname tranid
command command not executed because of previous error(s).

**Explanation**

If a syntax error (or an execution error) occurred in a command read from a data stream and processed earlier, no further commands (except for LIST commands) are executed. If the primary CSD file could not be opened, the LIST command is not executed either.

**System action**

The CSD utility command is not executed.

**User response**

Check for syntax errors or execution errors in commands processed earlier.

Correct the invalid commands.

**Module:** DFHCAP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. command

**Destination**

CSMT

**DFHCA5107 I**

date time applid netname tranid
Commands executed successfully:
ns Commands giving warning(s):
nw Commands in error: ne

**Explanation**

The CSD utility has completed input command processing.

Commands giving warnings may or may not have been executed successfully.

**System action**

Normal processing continues to the end of the job.

**User response**

If any CSD utility commands in error were executed, decide if the results are what you want.

If not, correct them and resubmit in another job.

If any commands were not executed, you must resubmit them. (See message DFHCA5108.)

**Module:** DFHCAP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. ns
7. nw
8. ne

**Destination**

CSMT

**DFHCA5108 I**

date time applid netname tranid
Commands not executed after error(s): nn

**Explanation**

The CSD utility has completed input command processing. The number of commands not executed because of errors is indicated by nn.
System action
Normal processing continues to the end of the job.

User response
Correct the commands in error and resubmit them in another job.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. nn

Destination
CSMT

DFHCA5109 I  date time applid netname tranid
End of DFHCSDup utility job.
Highest return code was: retcode

Explanation
The CSD utility job is complete.

System action
Control returns to the invoker, that is, either to the operating system or to an invoking program.

User response
None.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. retcode

Destination
CSMT

DFHCA5110 W  date time applid netname tranid
Error found in 'PARM=' parameter data on EXEC job step. This data is ignored.

Explanation
The value of the PARM parameter on the EXEC statement in the JCL to run the DFHCSDup utility is incorrect.

System action
The PARM parameter is ignored. The CSD is opened for read and write operations.

User response
Correct the erroneous PARM value. The incorrect value can be found in the job control language used to execute DFHCSDup. The CICS documentation describes how to code the PARM parameter.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid

Destination
CSMT

DFHCA5114 S  date time applid netname tranid
The csdtype CSD has not been initialized. Command not executed.

Explanation
The primary CSD file must be initialized before any CSD utility command (other than the INITIALIZE or SERVICE commands) can be processed. If a secondary CSD file is used, it must always be initialized before this command can be processed. CICS issues this message if you try to break either of these rules, or if an attempt to initialize a CSD file fails to complete successfully.
System action
The CSD utility ignores the command.

User response
Initialize the CSD file. You may first have to determine why a previous initialization attempt failed.

Module:  DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. csdtype

Destination
CSMT

DFHCA5115 S  date time applid netname tranid  The primary CSD is already initialized. Command not executed.

Explanation
An INITIALIZE or a SERVICE command was encountered but the primary CSD file has already been initialized.

System action
The INITIALIZE or SERVICE command is ignored.

User response
Confirm that the correct CSD file was specified.

Module:  DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid

Destination
CSMT

DFHCA5116 S  date time applid netname tranid  The primary CSD has been defined with an invalid key length. Processing is terminated.

Explanation
The CSD utility cannot initialize the CSD file because it has been defined to VSAM with an invalid key length.

System action
The CSD file remains uninitialized, and no utility commands are processed.

User response
Delete the CSD file, using VSAM Access Method Services (AMS). In the JCL defining the CSD cluster, change the AMS control statements to specify KEYS(22 0). Use this JCL to redefine the CSD file, and use the CSD utility to reinitialize it.

Module:  DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid

Destination
CSMT

DFHCA5117 S  date time applid netname tranid  The primary CSD has been defined with an invalid record size. Processing is terminated.

Explanation
The CSD utility cannot initialize the CSD file, because it has been defined to VSAM with an invalid record length.

System action
The CSD file remains uninitialized, and no utility commands are processed.
Delete the CSD file, using VSAM Access Method Services (AMS). In the JCL defining the CSD cluster, change the AMS control statements to specify RECORDSIZE(200 2000). Use this JCL to redefine the CSD file, and use the CSD utility to reinitialize it.

**Module:** DFHCAP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. tranid

**Destination**
CSMT

**DFHCA5120 I**
date time applid netname tranid
csdtype CSD opened; ddname: ddname - dsname: dsname

**Explanation**
The VSAM data set specified in the JCL has been successfully opened, and is identified as the primary or secondary CSD file. (All utility commands processed will use the same primary CSD file. Different secondary CSD files may be accessed by different utility commands.)

**System action**
Normal processing continues.

**User response**
None.

**Module:** DFHCAP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. tranid
6. csdtype
7. ddname

**Destination**
CSMT

**DFHCA5121 S**
date time applid netname tranid
I/O error while opening csdtype
CSD; ddname: ddname

**Explanation**
An I/O error occurred when reading or writing control records of the VSAM data set identified in the JCL as the primary or secondary CSD file.

**System action**
The utility command is not executed.

**User response**
Retry the utility command that failed. If the problem persists, restore the CSD file from your own backup procedures.

**Module:** DFHCAP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. tranid
6. csdtype
7. ddname

**Destination**
CSMT

**DFHCA5122 S**
date time applid netname tranid
VSAM error while opening csdtype
CSD; ddname: ddname

**Explanation**
A VSAM error occurred when opening the data set identified in the JCL as a primary or secondary CSD file.

**System action**
The utility command is not executed.
User response
Refer to the VSAM diagnostics output in message DFHCA5179 for further information and guidance.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. csdtype
7. ddname

Destination
CSMT
DFHCA5123 I date time applid netname tranid csdtype CSD closed; ddname: ddname - dsname: dsname

Explanation
The VSAM data set used as the primary or secondary CSD file has been successfully closed, with control records updated if necessary. (The primary CSD file is closed after all the utility commands have been processed; the secondary CSD file is closed after the command for which it was opened.)

System action
Normal processing continues.

User response
None.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. csdtype
7. ddname

Destination
CSMT
DFHCA5124 S date time applid netname tranid csdtype CSD control record detected while closing CSD; ddname: ddname

Explanation
A storage corruption is preventing the CSD control records from being updated when the CSD file is being closed.

System action
No further CSD utility commands are processed.

User response
Obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where the errors have occurred because they do not print and are therefore easily identifiable.

Using the information available, determine the cause of the errors and correct them.

Resubmit the CSD utility commands that failed.

If you cannot resolve the problem, or if the problem persists, you will need further help from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. csdtype
7. ddname

Destination
CSMT
After processing the CSD utility commands, the CSD control records are updated before closing the data set. Updating failed because data set ddname was full.

System action
Utility command processing is terminated.

User response
Initialize a new primary CSD file with a larger data set size. Then use the IDCAMS IMPORT and EXPORT commands to restore the CSD file onto a larger data set. If you have a recoverable CSD and you update it from CICS in RLS mode, there are extra steps required to ensure that any retained locks remain associated with the data set. These are explained in the Administering recovery and restart.

Module:
DFHCAP

Explanation
A VSAM error occurred when closing the data set ddname in the JCL as the primary or secondary CSD file.

System action
No further CSD utility commands are executed.

User response
Refer to the VSAM diagnostics output in message DFHCA5179 for further information and guidance.

Module:
DFHCAP

Explanation
An I/O error occurred when reading or writing the control records of the CSD file before closing VSAM data set ddname.
Processing terminated.
CSD accessed by another user and could not be shared. ddname:

Explanation
An attempt to open the CSD has returned an error from VSAM because the data set is not available for the type of processing requested.

This usually means that

- An attempt has been made to open the CSD in non-RLS access mode, but the CSD is already being accessed from elsewhere in RLS access mode.
- An attempt has been made to open the CSD in RLS access mode, but the CSD is already being accessed from elsewhere in non-RLS access mode.
- An attempt has been made to open the CSD in non-RLS access mode, and the CSD is already being accessed in non-RLS access mode, but the CSD cluster has been defined with SHAREOPTIONS that restrict its concurrent use.

System action
The command is not executed.

User response
You can change the access mode in which you are trying to open the CSD.

Note:
You must specify PARM=CSD(READONLY) if you wish to open a recoverable CSD in RLS access mode from the DFHCSDUP utility program.

Alternatively, wait until the CSD file is no longer being accessed in the conflicting access mode, or until it becomes available again in accordance with the SHAREOPTIONS rules defined for the cluster.

If the conflict is due to SHAREOPTIONS and LIST is the only command you want to execute, you can specify PARM=CSD(READONLY).

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. cdtype
7. ddname

Destination
CSMT

DFHCA5130 E  date time applid netname tranid
Unable to locate module DFHCICS. Primary CSD not initialized.

Explanation
The DFHCICS module is missing from the library.

System action
Processing of the INITIALIZE command is terminated.

User response
Ensure that the DFHCICS module is present in the library.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid

Destination
CSMT

DFHCA5131 I  date time applid netname tranid
List listid created.

Explanation
The INITIALIZE command has created the header for an IBM-protected list.
System action
Normal processing continues.

User response
None.

Module: DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. listid

Destination
CSMT

DFHCA5132 S date time applid netname tranid Unable to create list listid

Explanation
The INITIALIZE command has failed when calling the CSD manager routing program, DFHDMP, to create a new list listid on the CSD file for the IBM-protected groups. The CSD file may be full or corrupt.

System action
Processing of the INITIALIZE command is terminated.

User response
Check that the data set size for the CSD file is large enough. If it is not, allocate more space.

If there is ample space and you suspect that the CSD file is corrupt, you need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. listid

Destination
CSMT

DFHCA5133 S date time applid netname tranid CSD contains one or more lists. No lists may be present on the CSD when the INITIALIZE command is issued.

Explanation
The CEDA transaction was used to create a list while the INITIALIZE command was executing.

System action
Processing of the INITIALIZE command is terminated.

User response
Redefine the data set and rerun the INITIALIZE command. The CEDA transaction must not be used until the initialization of the CSD file has been successfully completed.

Module: DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid

Destination
CSMT

DFHCA5134 S date time applid netname tranid Error occurred while adding group grpname to list listid

Explanation
A call to the CSD manager routing program, DFHDMP, to write the definition of group grpname to the CSD file as a member of an IBM-protected list listid created an error. The CSD file may be full or corrupt.

System action
Processing of the INITIALIZE command is terminated.
**User response**

Increase the data set size for the CSD file and repeat the INITIALIZE request. If this fails, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHCAP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. grpname
7. listid

**Destination**

CSMT

**DFHCA5135 I**

<table>
<thead>
<tr>
<th>date time applid netname tranid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group grpname added to list listid</td>
</tr>
</tbody>
</table>

**Explanation**

A group definition grpname has been satisfactorily created on the CSD file in list listid.

**System action**

Processing continues.

**User response**

None.

**Module:** DFHCAP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. grpname
7. listid

**Destination**

CSMT

**DFHCA5136 W**

<table>
<thead>
<tr>
<th>date time applid netname tranid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group grpname is already a member of list listid</td>
</tr>
</tbody>
</table>

**Explanation**

Group grpname already exists in list listid. CICS does not create a duplicate entry.

**System action**

Normal utility processing continues.

**User response**

None.

**Module:** DFHCAP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. grpname
7. listid

**Destination**

CSMT

**DFHCA5137 E**

<table>
<thead>
<tr>
<th>date time applid netname tranid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group grpname not found in list listid</td>
</tr>
</tbody>
</table>

**Explanation**

The group grpname entered in the ADD command as the AFTER or BEFORE name could not be found in the list listid. The definition could have been deleted while the user was viewing the outcome of an EXPAND command.

**System action**

Normal utility processing continues.

**User response**

Reenter the command with a group name that exists in this list.

**Module:** DFHCAP
XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. grpname
7. listid

Destination
CSMT

DFHCA5139 W date time applid netname tranid
Consider implications of migrating TYPE=SHARED entries.

Explanation
The CSD utility detected a migrate of a TST TYPE=SHARED entry. A DFHTST TYPE=SHARED entry is not directly migrated. Only when a TYPE=REMOTE macro that specifies a SYSIDNT that matches a SYSID in the corresponding TYPE=SHARED macro is a TSMODEL created.

System action
The CSD utility continues processing of the MIGRATE command.

User response
If SYSID is explicitly specified on the EXEC CICS request, or added by a global user exit program, and the intent of the SYSID is to direct the request to a SHARED TS pool, you must use the migrated TST in order to satisfy the request to use the pool. See the Defining resources for more information.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid

Destination
CSMT

DFHCA5140 I date time applid netname tranid
Total xxxxxxxx definitions created: nn

Explanation
CICS issued this message after migrating a CICS table. nn definitions of type xxxxxxxx have been created on the CSD file.

System action
Normal utility processing continues.

User response
None.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxxx
7. nn

Destination
CSMT

DFHCA5141 S date time applid netname tranid
Unable to create new group grpname

Explanation
The MIGRATE command failed when calling the CSD manager routing program, DFHDMP, to create a new group grpname on the CSD file for the data in the table being migrated. The CSD file may be full, corrupt, or not initialized. The group name may be invalid.

System action
Processing of the MIGRATE command is terminated.

User response
Check the group name in the TOGROUP parameter. Reinitialize the CSD file with the INITIALIZE command, providing a larger data set size if necessary.
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. tranid
6. grpname

Destination
CSMT

**DFHCA5142 E**  
*date time applid netname tranid*  
Command not executed. *lgname* was not updated because of a previous update failure.

**Explanation**

The list or group *lgname* cannot be used because an operation to update it, using the DFHCSDUP offline utility, failed to execute to completion.

This has probably happened in a previous execution of DFHCSDUP.

**System action**

The command is not executed, and the execution of subsequent DFHCSDUP commands in the job stream is suppressed.

**User response**

Use the DFHCSDUP VERIFY command to remove the in-flight flag detected when this message is produced.

**Module:** DFHCAP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. tranid
6. grpname

**Explanation**

A new CSD group, *grpname*, has been created for the data in the table being migrated.

**System action**

Migration continues.

**User response**

None.

**Module:** DFHCAP

**DFHCA5143 I**  
*date time applid netname tranid*  
Group *grpname* created.

**Explanation**

The list or group *lgname* cannot be used because a user of the CEDA or CEDB transaction has enforced a LOCK command to prevent updating by other users.

**System action**

The command is not executed.

If commands are being read from a SYSIN data stream, subsequent commands (except the LIST command) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, the DFHCSDUP utility attempts to process subsequent commands.
**User response**

Negotiate with the user with the specified OPID and APPLID, or create a new group or list by taking a copy of the definitions in the locked one.

**Module:** DFHCAP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. lgname
7. applid
8. opid

**Destination**

<table>
<thead>
<tr>
<th>CSMT</th>
</tr>
</thead>
</table>

DFHCA5146 E | date time applid netname tranid |

Command not executed. lgname is currently being updated by applid: applid opid: opid

**Explanation**

The list or group lgname cannot be used because:

- A user of the CEDA or CEDB transaction is currently running a command to update it
- A previous operation to update it using CEDA or CEDB failed to execute to completion.

**System action**

The command is not executed.

If commands are being read from a SYSIN data stream, subsequent commands (except the LIST command) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, the DFHCSDUP utility attempts to process subsequent commands.

**User response**

Resubmit the utility job to retry the command that failed. Perform the subsequent commands that were suppressed.

If this fails to resolve the problem, run the DFHCSDUP VERIFY command to remove the in-flight flag detected when this message is produced.

**Module:** DFHCAP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. lgname
7. applid
8. opid

**Destination**

| CSMT |

DFHCA5147 E | date time applid netname tranid |

Command not executed. lgname already exists as a group-or-list

**Explanation**

The name chosen for the target group (or list) duplicates that of an existing group or list on the CSD file.

**System action**

Processing of the utility command is terminated.

**User response**

Choose a different name for the target group.

**Module:** DFHCAP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. lgname
7. group-or-list
Unable to get storage for tabletype table named table

Explanation
There is insufficient storage to satisfy a GETMAIN request for table table.

System action
The system action depends on the table specified as follows:

LD (language definition table)
The CSD utility cannot process any commands, and terminates with a dump. The MVS user abend code is 0327.

FCT and RDT
The CSD utility cannot migrate the table, and terminates processing of the utility command.

User response
Allocate additional storage. If your TCT assembly and link-editing is successful, the RDT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxxx

Resource not altered. xxxxxxxx is IBM-protected.

Explanation
During the execution of an ALTER command containing a generic group name a matching group was found which is an IBM-supplied group and is protected.

System action
The CSD utility does not alter the definition in the specified group.

User response
None.

Module:
DFHCAP

User attempted to add a definition to an IBM-supplied group or list (groups or lists beginning with DFH). This is not allowed.

Explanation
A user attempted to add a definition to an IBM-supplied group or list (groups or lists beginning with DFH). This is not allowed.

System action
The CSD utility does not create a definition.

User response
Change the input command or TCT source data to name a target group or list whose name does not begin with DFH.

Module:
DFHCAP
### 3. applid
4. netname
5. tranid
6. xxxxxxxx

**Destination**

CSMT

**DFHCA5155 W**

*date time applid netname tranid tdqueue xxxxxxxx has same name as an IBM-supplied definition in group grpname*

**Explanation**

The name of the migrated table entry, xxxxxxxx, matches the name of an IBM-supplied resource in IBM-protected group *grpname*, created by the INITIALIZE command.

**System action**

CICS migrates this entry normally.

**User response**

If necessary, rename the resource, using the CEDA transaction.

**Module:**

DFHCAP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. tdqueue
7. xxxxxxxx
8. grpname

**Destination**

CSMT

**DFHCA5159 I**

*date time applid netname tranid resource object defined in group grpname*

**Explanation**

The CSD utility has successfully added a resource definition to a group, where:

- *resource* is the type of resource (CONNECTION, FILE, JOURNALMODEL, LSRPOOL, MAPSET, PARTITIONSET, PARTNER, PROFILE, PROGRAM, SESSION, TDQUEUE, TERMINAL, TRANCLASS, TRANSACTION, or TYPETERM).

- *object* is the name of the object.

- *grpname* is the name of the group.

**System action**

Normal utility processing continues.

**User response**

None.

---

**Chapter 2. CICS messages 337**
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. tranid
6. resource
7. object
8. grpname

Destination
CSMT

DFHCA5164 W date time applid netname tranid
No definition of resource object created. This duplicates an existing definition in group grpname

Explanation
The CSD utility detected a CSD record with a matching key before adding the definition to the CSD file, where:

- resource is the type of resource.
- object is the name of the object.
- grpname is the name of the group.

System action
The CSD utility does not migrate the resource definition to the CSD file. (If it is a transaction, a generated profile is not created either.)

User response
Use the CEDA transaction to define the resource with a unique name.

Module:
DFHCAP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. tranid
6. resource
7. object
8. grpname

Destination
CSMT

DFHCA5165 S date time applid netname tranid
Processing is terminated. An error occurred while writing resource object to the CSD.

Explanation
An error occurred when the CSD utility called DFHDMP to write the definition of the object object to the CSD file.

The CSD file may be full or corrupted.

resource is the type of resource.

System action
If the CSD is full, the CSD utility issues message DFHCA5176, and then terminates with a return code of 12 in message DFHCA5109.

If the CSD is not full, the CSD utility terminates abnormally with message DFHCA5175, usually accompanied by one or more of the explanatory messages, DFHCA5177, DFHCA5178, and DFHCA5179.

User response
Use the additional messages to determine the cause of the error and the appropriate user action required.

Module:
DFHCAP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. tranid
6. resource
7. object
**Explanation**

The call to module DFHDMP has failed to construct a valid key for the record created on the CSD file because of an invalid character, or the resource name for the migrated table entry may be invalid. resource is the type of resource, and object is the name of the object.

**System action**

A CSD record is not created for this definition. (If it is a transaction, a generated profile is not created either.)

**User response**

Use the CEDA transaction to define the resource with a valid name.

**Module:** DFHCAP

**DFHCA5166 E**  
*date time applid netname tranid*
Disallowed character in resource name object

**DFHCA5167 S**  
*date time applid netname tranid*
Table loaded from library member table is not a valid tabletype.

**DFHCA5168 S**  
*date time applid netname tranid*
The CSECTs in table table have been link-edited in the wrong order.

**Explanation**

After loading the table table, the migration routine checks the VMNAME field in the DFHVM expansion of the data area following the load point. This message is produced if VMNAME is not that of a valid table.

**System action**

The MIGRATE command is not processed.

**User response**

1. Ensure that the correct table is present in the library, and that the TABLE parameter of the MIGRATE command is correct.
2. Ensure that an ORDER statement was processed in the JCL of the link-editing of the table.

**Module:** DFHCAP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. table
7. resource
8. object

**Destination**

CSMT
6. table
7. tabletype

**Destination**
CSMT

**DFHCA5169 S**

Processing is terminated. Table `table` was assembled for CICS release `rrr`. Reassemble for release `sss`.

**Explanation**
After loading the table `table`, the migration routine checks the VMVERS field in the DFHVM expansion of the data area following the load point. This field indicates the CICS release (`rrr`) for which the table was assembled, and is invalid for the CICS system (release `sss`) that is running.

**System action**
The MIGRATE command is not processed.

**User response**
Reassemble the table for the correct release of CICS.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `netname`
5. `tranid`
6. `table`
7. `rrr`
8. `sss`

**Destination**
CSMT

**DFHCA5174 S**

Processing is terminated. Command cannot be executed because 'PARAM=CSD(READONLY)' was specified.

**Explanation**
This command requires the CSD to be opened for read-write access. Your job step specified read-only access for the CSD in the DFHCSDUP utility job stream.

**System action**
This command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.) If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

**User response**
Amend the JCL to specify 'PARAM=CSD(READWRITE)'.

**Note:**
If the CSD is recoverable and you are accessing it in RLS mode, you cannot specify READWRITE access. In order to perform the command, you need to access the CSD in non-RLS mode.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `netname`
5. `tranid`

**Destination**
CSMT

**DFHCA5175 S**

Processing is terminated. Unexpected response from `function` in CSD manager.

**Explanation**
An invocation of the CSD manager, DFHDMP, has resulted in an error. The name of the function that failed is `function`.

**System action**
DFHCSDUP issues additional messages, then:
• Terminates **normally** for CSD open/close errors, and the CSD-full condition, or
• Terminates **abnormally** for all other situations.

**User response**

Ensure that you have set up your CSD file correctly. If you have migrated your CSD file from a previous release, note that you should have increased your block size to 500. If necessary, use the diagnostics in the additional messages.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. function

**Destination**
CSMT

**DFHCA5176 S**

```
date time applid netname tranid
Processing is terminated. CSD is full.
```

**Explanation**

The VSAM data set containing the CSD file is full.

**System action**

Execution of the CSD utility command is terminated.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, the DFHCSDUP utility attempts to process subsequent commands.

The DFHCSDUP utility leaves a system lock on the group being created at the time of failure. This lock prevents processing of the group by the CSD utility or the CEDA transaction.

**User response**

First, use the DFHCSDUP VERIFY process to remove the system lock on the partly-created group. Normal RDO processing of the group should then be possible, enabling the group (or any unwanted definitions) to be deleted.

To recover the contents of the CSD file, define a larger data set and use the AMS REPRO command. Usually, you will be able to REPRO from the CSD file that became full. If you are unable to do this, use a backup copy.

If your CSD is a recoverable data set and you update it from CICS in RLS mode, there are additional steps to be taken when using REPRO to ensure that any retained locks remain associated with the data set. These are explained in the **Administering recovery and restart**.

You may be able to transfer definitions from the CSD file that filled up by using the DFHCSDUP COPY command with the FROMCSD option.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid

**Destination**
CSMT

**DFHCA5177 S**

```
date time applid netname tranid
Processing is terminated. CSD I/O error occurred.
```

**Explanation**

An I/O error occurred when executing a READ or WRITE of a CSD record on the primary or secondary CSD file.

**System action**

DFHCSDUP issues additional messages and terminates abnormally.

**User response**

Restore the CSD file to a new data set from your own backup, or create the new CSD file by using the
Initialize, COPY, and APPEND commands to restore existing definitions.

Module: DFHCAP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. tranid

Destination

CSMT

DFHCA5178 S  date time applid netname tranid
Processing is terminated. Severe CSD error occurred.

Explanation

An error occurred during execution of the CSD manager, DFHDMP, to access the primary or secondary CSD file.

System action

DFHCSDUP issues additional messages and terminates abnormally.

User response

See the VSAM diagnostics given in message DFHCA5179.

Module: DFHCAP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. tranid

Destination

CSMT

DFHCA5179 S  date time applid netname tranid
VSAM error. Return code = nn Error code = ddd(yy) Control block type = type

Explanation

VSAM returned the following diagnostics when an error occurred, where:

- nn is the hexadecimal VSAM return code
- yy is the hexadecimal VSAM error code (ddd is its decimal equivalent)
- CONTROL BLOCK TYPE points to the relevant error code subset as follows:
  - RPL = Request macro responses from VSAM
  - ACB = OPEN/CLOSE responses

The error code is:

- For CONTROL BLOCK TYPE = RPL, the reason code from byte 3 of the feedback word field in the RPL (RPLERRCD)
- For CONTROL BLOCK TYPE = ACB, the reason code in the ERROR field in the ACB (ACBERFLG)

System action

The CSD utility terminates command processing, and in some situations, produces an operating system dump.

User response

For the meaning of the VSAM return and error codes, refer to the z/OS DFSMS Macro Instructions for Data Sets manual.

When interpreting these diagnostics, ensure that the data set referenced in the JCL exists.

Check the following:

- The data set is being concurrently accessed by CICS running in another region.
- You are not attempting to open a recoverable CSD as READWRITE if DFHCSDUP specifies RLS access mode. You must specify PARM=CSD(READONLY) in this case.
- LOG is defined on the base cluster if RLS access mode is specified.

If DFHCSDUP specifies RLS access mode, a 'record not found' error could mean that the CSD has not been initialized.

Note:

You must use non-RLS access mode to initialize a recoverable CSD.

Module: DFHCAP
DFHCA5180 S  date time applid netname tranid
Processing is terminated. Error occurred while CSD was being read by function subfunction

**Explanation**
When the LIST command invoked DFHDM to scan the objects on the CSD file, an error occurred during execution of the DFHDM function.

**System action**
The CSD utility terminates with an MVS abend 0325.

**User response**
This error should be reported. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHCAP

---

DFHCA5182 W  date time applid netname tranid
No match found for generic group-or-list identifier xxxxxxxx

**Explanation**
The LIST command was executed with a generic group or list name, but no qualifying group or list exists on the CSD file.

**System action**
Normal processing continues.

**User response**
None.

**Module:**
DFHCAP

---

DFHCA5182 W  date time applid netname tranid
group-or-list xxxxxxxx does not exist.

**Explanation**
The LIST command or the DELETE command was executed using the name of a group or list that does not exist on the primary CSD file.

**System action**
The LIST command or the DELETE command is not processed. Subsequent commands may still be processed.

**User response**
Correct the LIST command or the DELETE command to use a valid group or list name.
If a CSD upgrade is being performed, no user action is required.

**Module:** DFHCAP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. tranid
6. group-or-list
7.xxxxxxxx

**Destination**
CSMT

**DFHCA5183 W** date
time applid netname tranid
group-or-list xxxxxxxx exists as a list-or-group name.

**Explanation**
The LIST command or the DELETE command was executed using a group name that is already in use as a list name, or using a list name that is already in use as a group name.

**System action**
The LIST command or the DELETE command is not processed. Subsequent commands may still be processed.

**User response**
Correct the LIST command or the DELETE command to use a valid group or list name.

**Module:** DFHCAP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. tranid
6. group-or-list
7. xxxxxxxx
8. list-or-group

**Destination**
CSMT

**DFHCA5184 S** date
time applid netname tranid
Processing is terminated. Invalid output from DFHPUP. Cannot format data for utility listing.

**Explanation**
There has been an internal logic error in the DFHCSDUP utility program. The data in the back-translated output buffer is invalid. The length code may be out of range or the data fields in the wrong sequence. One or more of the data fields may be invalid.

**System action**
The CSD utility terminates with an MVS abend 0326.

**User response**
This error must be reported.
Obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST indicates where the error(s) have occurred because they do not print and are therefore easily identifiable.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHCAP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. tranid
6. group-or-list
7. xxxxxxxx
8. list-or-group

**Destination**
CSMT

**DFHCA5186 W** date
time applid netname tranid
No objects defined in grpname listid
Explanation

In executing a LIST command, the CSD utility has found a group or list header on the CSD file for which no corresponding group or list elements exist.

System action

The utility continues to process the LIST command, but will not tabulate elements of the group or list named in the message.

User response

Run the DFHCSDUP VERIFY utility.

Module:

DFHCAP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. tranid
6. resource

Destination

CSMT

DFHCA5187 I date time applid netname tranid
resource is locked, but is not the name of a group or list.

Explanation

The CSD utility detected a locked resource that is not a group or list. The reason is that an interrupt or failure occurred during a CEDA transaction or a previous utility job. A lock had been created but not the associated group or list.

System action

The utility continues normal processing of the VERIFY command.

User response

None.

Module:

DFHCAP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. tranid
6. object-type
7. name

Destination

CSMT

DFHCA5188 I date time applid netname tranid
object-type name is now available for use.

Explanation

The VERIFY command discovered that the resource was not available for the CEDA transaction or offline commands. The restriction on its availability, which was due to the failure of some previous command affecting it, has now been removed.

System action

Normal processing of the VERIFY command continues.

User response

None.

Module:

DFHCAP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. tranid
6. object-type
7. name

Destination

CSMT

DFHCA5189 I date time applid netname tranid
CSD verify process completed successfully.
Explanation
The VERIFY command has been processed successfully, and any internal locks associated with groups and lists on the CSD file have been removed.

System action
Normal processing continues.

User response
None.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid

Destination
CSMT

DFHCA5190 S  date time applid netname tranid
Command is not executed. Unable to get storage for service module proname

Explanation
There is insufficient storage available to load the service module proname, that is to be loaded and executed by DFHCSDUP.

System action
Utility command execution is terminated.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User response
Ensure that there is sufficient storage allocated to load module proname.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. proname

Destination
CSMT

DFHCA5191 I  date time applid netname tranid
Service program proname is running.

Explanation
The service module proname has been loaded correctly. Execution of the module has started.

System action
Normal processing continues.

User response
None.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. proname

Destination
CSMT

DFHCA5192 S  date time applid netname tranid
Command is not executed. CSD service level ttt is incompatible with current service level sss
**Explanation**  
Either the LEVEL parameter specified in the SERVICE command is wrong, or an incorrect version of the CSD file is being used as the secondary (input) CSD file.

**System action**  
The SERVICE command is not executed.  
If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)  
If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

**User response**  
The SERVICE command may upgrade the service level of the CSD file only in increments of one. Check that the input CSD file is the intended one, and that the LEVEL parameter takes the value one higher than the current service level of the CSD file.

**Module:**  
DFHCAP

**XMEOUT parameters/Message inserts**
1. date  
2. time  
3. applid  
4. netname  
5. tranid  
6. ttt  
7. sss

**Destination**  
CSMT

**DFHCA5193 S**  
`date time applid netname tranid`  
Command is not executed. Service module `programname` is unable to upgrade CSD to target service level `ttt`

**Explanation**  
The LEVEL parameter specified in the SERVICE command is incompatible with the status of the service module `programname` being applied to the CSD file.

**System action**  
The SERVICE command is not executed.  
If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)  
If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

**User response**  
Ensure that the service module `programname`, being applied, is correctly updated with the service fix supplied by IBM. (It should have been amended so as to be able to process SERVICE commands at the target level `ttt`.)

**Module:**  
DFHCAP

**Destination**  
CSMT

**DFHCA5194 I**  
`date time applid netname tranid`  
Upgrading service status of CSD from level `sss` to level `ttt`

**Explanation**  
The loaded service module is performing the required upgrade of the CSD file from service level `sss` to service level `ttt`.

**System action**  
Normal processing continues.

**User response**  
None.

**Module:**  
DFHCAP

---

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**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. sss
7. ttt

**Destination**

CSMT

**DFHCA5195 I**

*date* time applid netname tranid

Execution of service program proname complete.

**Explanation**

The loaded service program proname has run to completion. Control is being transferred back to the CSD offline utility program, DFHCSDUP.

**System action**

Normal processing continues.

**User response**

None.

**Module:**

DFHCAP

---

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid

**Destination**

CSMT

**DFHCA5196 S**

*date* time applid netname tranid

Command is terminated. Error occurred while reading control secondary CSD record.

**Explanation**

An I/O error has occurred on the specified CSD file.

**System action**

The SERVICE command is terminated.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

**User response**

Retry the command, ensuring that a sufficiently large data set size is specified for the output (primary) CSD file.

**Module:**

DFHCAP
User response

Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the OLDSD parameter in the SERVICE utility command.

If the problem persists, you will need further help from IBM. First, obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a printout of the CSD using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST indicates where the errors have occurred because they do not print and are therefore easily identifiable. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHCAP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. tranid

Destination

CSMT

DFHCA5198 I
csd-record-modified-for-resource-type-resource-name-group-or-list:
group-or-list-name

Explanation

The specified modification to a record on the CSD file has taken place.

System action

Normal processing continues. If the modified record is an element in a GROUP or LIST, its date-and-time field is updated when copied to the output (primary) CSD file.

User response

None.

Module: DFHCAP

XMEOUT parameters/Message inserts

1. date

Destination

CSMT
DFHCA5200 S  
**date time applid netname tranid**
Command not executed. No valid language table was loaded.

**Explanation**
The utility found that the RDO language table had not been loaded correctly, or that it contained invalid data.

**System action**
The utility terminates because it cannot process any commands.

**User response**
Check that the correct version of the RDO language table (DFHEITSP) is in the program library.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. tranid

**Destination**
CSMT

DFHCA5201 S  
**date time applid netname tranid**
*command* command is not valid. Command not executed.

**Explanation**
The CSD utility does not recognize the command.

**System action**
The utility ignores the command.

**User response**
Correct the command.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. tranid
6. command

**Destination**
CSMT

DFHCA5202 S  
**date time applid netname tranid**
Incorrect syntax for *command* command. Command not executed.

**Explanation**
The syntax of the command is incorrect.

**System action**
The CSD utility ignores the command.

**User response**
Correct the command.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. tranid
6. command

**Destination**
CSMT

DFHCA5203 W  
**date time applid netname tranid**
Right parenthesis assumed after the value of 'xxxx'.

**Explanation**
The syntax of the command was incorrect. Either a right parenthesis has been omitted or a keyword value in excess of 256 bytes has been specified.

**System action**
The utility executes the command as if the right parenthesis was present.
User response
Confirm that the correction applied by the utility generated the required command.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxx

Destination
CSMT

DFHCA5204 E  date time applid netname tranid
Command not executed. 'xxxx' keyword is not valid.

Explanation
The keyword xxxx is not valid on this command.

System action
The utility command is ignored.

User response
Correct the command.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxx

Destination
CSMT

DFHCA5206 E  date time applid netname tranid
Command not executed. Duplicate specification of 'xxxx'.

Explanation
Option xxxx appears twice on a single utility command.

System action
The utility ignores the command.

User response
Correct the command.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxx

Destination
CSMT

DFHCA5205 E  date time applid netname tranid
Command not executed. No value was specified for 'xxxx'.

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**Destination**
CSMT

**DFHCA5207 E**  
*date time applid netname tranid*  
Command not executed. 'xxxxxxxx' does not require a value.

**Explanation**
The utility detected an input command coded with a value for option xxxxxxx when no value was required.

**System action**
The utility does not process the command.

**User response**
Correct the command.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *netname*
5. *tranid*
6. xxxxxxxx

**Destination**
CSMT

**DFHCA5208 W**  
*date time applid netname tranid*  
Resource defined but no value was specified for 'xxxxxxxx'. Ensure that the resource is updated.

**Explanation**
The utility detected that an input command did not have a value for the specified keyword xxxxxxxx, when a value was required.

**System action**
The utility processes the command and ignores the specified keyword.

**User response**
Correct the input command and update the defined CICS resource.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *netname*
5. *tranid*

**Destination**
CSMT

**DFHCA5209 W**  
*date time applid netname tranid*  
No command encountered. The input file might be empty.

**Explanation**
The utility detected that an input command was missing. A valid CSD input command was expected but not found.

**System action**
The utility continues processing the input file.

**User response**
Review the input file and ensure that input commands are present.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *netname*
5. *tranid*

**Destination**
CSMT

**DFHCA5210 E**  
*date time applid netname tranid*  
Command not executed. Invalid value was specified for 'xxxx'.

**Explanation**
The utility detected an input command coded with a value for option xxx when an invalid value was specified.
Explanation
The utility detected an input command coded with an invalid value for option xxxx.

System action
The utility does not process the command.

User response
Correct the value.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxx

Destination
CSMT

DFHCA5211 E date time applid netname tranid
Command not executed. Operand delimiter 'x' was misplaced.

Explanation
The utility has detected an input command coded with a misplaced option delimiter x.

System action
The utility does not process the command.

User response
Place the delimiter correctly.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid

Destination
CSMT

DFHCA5212 E date time applid netname tranid
Command not executed. comptype 'string' is not uniquely identifiable.

Explanation
An ambiguous DFHCSDUP or CREATE command has been specified.
- comptype is the command component type
- string is the actual component.

System action
The command is not executed. For DFHCSDUP, if commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User response
Correct the command syntax and retry. See accompanying message DFHCA5213 for further details of the command failure.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. comptype
7. string

Destination
CSMT

DFHCA5213 E date time applid netname tranid comptype
Specified input could be interpreted as match1 or match2

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Explanation
An ambiguous DFHCSDUP or CREATE command has been specified.
- *input* is the ambiguous character string
- *match1* and *match2* are two possible interpretations of *input*.

System action
The command is not executed. For DFHCSDUP, if commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User response
Correct the command syntax and retry.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. *date*
2. *time*
3. *applid*
4. *netname*
5. *tranid*
6. *keyword*

Destination
CSMT

DFHCA5214 W *date time applid netname tranid*

Explanation
The command specifies an keyword which is not valid for this release of CICS.

System action
The keyword is ignored.

User response
Confirm that the resulting command is correct for this release of CICS.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. *date*
2. *time*
3. *applid*
4. *netname*
5. *tranid*

Destination
CSMT

DFHCA5215 E *date time applid netname tranid*

Explanation
A closing parenthesis was not added when a null value was specified for a keyword on an ALTER command. A closing parenthesis is automatically added for keyword values other than nulls.

System action
The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User response
Correct the command syntax and retry.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. *date*
2. *time*
3. *applid*
4. *netname*
5. *tranid*
**Explanation**

A nonexistent resource of type restype and name resname, has been specified on an ALTER command.

**System action**

The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSUDP attempts to process subsequent commands.

**User response**

Correct the command syntax and retry.

**Module:** DFHCAP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. restype
7. resname
8. group

**Destination**

CSMT

**DFHCA5217 I**  
date time applid netname tranid  
trandid Altering Resourcetype  
Resourcename in group 
Groupname

**Explanation**

During the execution of a generic ALTER command, the CSD batch update utility scans the CSD file for matches to the specified generic resource name and/or GROUP keyword. For every match, the utility processes the request and informs the user of the resulting resourcename and/or groupname respectively.

**System action**

Normal processing continues.

**User response**

None.

**Module:** DFHCSUDP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. Resourcetype
7. Resourcename
8. Groupname
**Explanation**
The ALTER command was executed with a generic resource and/or group name, but no qualifying resource and/or group exist on the CSD file.

**System action**
Normal processing continues.

**User response**
None.

**Module:**
DFHCSDUP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxxx

**Destination**
CSMT

**Explanation**
The CSD utility found a command after other commands.

**System action**
The utility ignores the command.

**User response**
Specify keyword xxxxxxxx.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxxx

**Destination**
CSMT

**Explanation**
A required keyword xxxxxxxx was omitted from a CSD utility command.

**System action**
The utility ignores the command.

**User response**
Specify keyword xxxxxxxx.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxxx

**Destination**
CSMT

**Explanation**
The CSD utility found an INITIALIZE command after other commands.

**System action**
The CSD utility ignores the command.

**User response**
Confirm that the INITIALIZE command was misplaced.
Explanation
The syntax of the command is incorrect. Conflicting keywords have been specified.

System action
The utility command is ignored.

User response
Correct the command.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxxx
7. xxxxxxxx

Destination
CSMT

DFHCA5224 E  date time applid netname tranid
Command not executed. The value of operand is outside the valid range for keyword.

Explanation
A numeric value of operand was detected, which is outside the permitted range of values for the keyword keyword.

System action
The command is not executed.

User response
Correct the value.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxxx
7. xxxxxxxx

Destination
CSMT

DFHCA5225 E  date time applid netname tranid
Command not executed. Same name specified for 'xxxxxxx' and 'xxxxxxx'.

Explanation
This message is issued for one of the following reasons:
1. The utility COPY command has been coded with the same group name for the source and target group.
2. The APPEND command has been coded with the same list name for the source and target list.
3. The ADD command has been coded with the same group name and list name.

System action
The CSD utility or CICS ignores the command.

User response
Correct the name (or names) in error.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxxx
7. xxxxxxxx

Destination
CSMT

DFHCA5227 E  date time applid netname tranid
Command not executed. Use of generic name conflicts with 'xxxxxxx' option.
Explanation
A CSD utility command used a generic name; that is, one containing asterisk (*) or plus sign (+) characters, in conjunction with an option that conflicted with the use of generic names.

System action
The utility ignores the command.

User response
Correct the command.

Module: DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxxxx

Destination
CSMT

DFHCA5228 E date time applid netname tranid
Command not executed. Only one resource-type keyword may be specified.

Explanation
The CSD utility detected an input command coded with more than one resource-type keyword.

System action
The utility does not process the command.

User response
Correct the command to refer to only one resource-type keyword.

Module: DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxxxx

Destination
CSMT

DFHCA5229 E date time applid netname tranid
Command not executed. 'xxxxxxxxx' is invalid because a resource-type keyword was specified.

Explanation
The CSD utility detected an input command coded with a resource-type keyword (for example, PROGRAM, TRANSACTION) in a situation where a resource-type keyword is invalid.

System action
The utility does not process the command.

User response
Correct the command and resubmit.

Module: DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxxxx

Destination
CSMT

DFHCA5230 I date time applid netname tranid
ERASE command is obsolete. Use the DELETE command.

Explanation
The CSD utility detected the obsolete ERASE command in its input.

System action
The utility processes the command as a DELETE command.
In future, use the DELETE command instead of the ERASE command.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid

Destination
CSMT

DFHCA5231 E date time applid netname tranid
Command not executed. 'xxxxxxx' parameter must not begin with 'DFH'.

Explanation
In a CSD utility MIGRATE command, the xxxxxxxx parameter contained an invalid table name or group name.

System action
The utility does not process the command.

User response
Correct the command syntax and resubmit the job.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxxx
7. tabletype

Explanation
An attempt has been made to execute the MIGRATE command with an invalid table type and (or) an invalid keyword specified.

System action
The CSD utility terminates.

User response
Correct the command syntax and resubmit the job.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxxx

Explanation
The CSD utility detected a TABLE parameter that referred to a CICS table type not supported by RDO.

System action
The utility does not process the command.

User response
Correct the command.
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. command

**System action**

The utility command is not executed. This message is followed by DFHCA5104.

**User response**

Correct the invalid command by adding a valid GROUP or LIST name and rerun the utility job.

**Module:** DFHCAP

---

**Explanation**

The CSD utility detected a command `command` in its input which is not supported by RDO.

**System action**

The utility does not process the command.

**User response**

Correct the command

**Module:** DFHCAP

---

**Explanation**

A CSD utility EXTRACT command has been submitted. A GROUP or LIST name must be specified with an EXTRACT command.

**System action**

The program specified on the USERPROGRAM keyword is used.

**User response**

Ensure that the user program used is the one intended.

**Module:** DFHCAP

---

**Explanation**

A user-exit program has been specified via the entry parameter list and on the USERPROGRAM keyword of the EXTRACT command.

**User response**

Ensure that the user program used is the one intended.

**Module:** DFHCAP
5. tranid

Destination
CSMT

DFHCA5240 S  
*date time applid netname tranid*
Processing terminated. Error occurred while input utility command was being read.

Explanation
The environment adaptor GETCARD utility cannot read an input utility command.

System action
The CSD utility terminates abnormally without processing the input commands.

User response
Check that the utility commands are prepared correctly and located correctly in the JCL. Check also that the DD statement defining the output data set startup job stream is correct. For JCL examples, refer to the CICS documentation.

Module: DFHCAP

XMEOUT parameters/Message inserts
1. *date*
2. *time*
3. *applid*
4. *netname*
5. *tranid*

Destination
CSMT

DFHCA5242 E  
*date time applid netname tranid*
Command not processed. Too many continuation records for input utility command.

Explanation
The CSD utility detected an input command that was too long and extended over too many records.

System action
The utility does not process the command.

User response
This message may be caused by an error in the rejected command or in the preceding or subsequent commands in the input stream. Correct the commands in error.

Module: DFHCAP

XMEOUT parameters/Message inserts
1. *date*
2. *time*
3. *applid*
4. *netname*
5. tranid

Destination
CSMT

DFHCA5250 E  TO(groupname) contains too many non contiguous '*'

Explanation
During the execution of a generic COPY command, the batch update utility found the argument of the TO parameter specified too many non contiguous asterisks.

Only one '*' is allowed in the TO parameter during the execution of a generic copy.

System action
The utility rejects the command.

User response
Correct the command.

Module: DFHCS DUP

Destination
SYSPRINT

DFHCA5251 I  date time applid netname tranid resource object in group grpname is replaced.

Explanation
A resource definition existed in both source and target groups. Based on the CSD utility commands submitted, the utility has replaced the definition in the target group with that from the source group.

- resource is the type of the resource
- object is the name of the object
- grpname is the name of the group.

System action
Normal utility processing continues.

User response
None.

Module: DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. resource
7. object
8. grpname

Destination
CSMT

DFHCA5252 I  date time applid netname tranid resource object copied to group grpname

Explanation
The CSD utility has correctly copied a resource definition to the specified group, where:

- resource is the type of resource
- object is the name of the object
- grpname is the name of the group.

System action
Normal utility processing continues.

User response
None.

Module: DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. resource
7. object
8. grpname

Destination
CSMT
**Explanation**

The CSD utility has detected a command that attempted to retrieve definitions from the non-existent group, `grpname`, in the CSD specified in DDNAME `ddname`.

**System action**

The utility does not process the command.

**User response**

Either correct the group name in the command, or make sure that the specified CSD file is the correct one.

**Module:**

DFHCAP

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `netname`
5. `tranid`
6. `grpname`
7. `ddname`

**Destination**

CSMT

**DFHCA5255 E date time applid netname tranid**  
**List xxxxxxxxx not found in CSD file - ddname: ddname**

**Explanation**

The CSD utility detected an APPEND or REMOVE command that referred to a nonexistent list in the CSD file specified in DDNAME `ddname`.

**System action**

The utility does not process the command.

**User response**

Either correct the list name in the command, or make sure that the specified CSD file is the correct one.

**Module:**

DFHCAP

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `netname`
5. `tranid`
6. `resource`
7. `object`

**Explanation**

The CSD utility detected a command that attempted to add a definition to a group that already contained a definition of an object with the same name, where:

- `resource` is the type of resource
- `object` is the name of the object.

**System action**

The CSD utility does not process the command.
In executing a LIST command, the CSD utility has found a group header on the CSD file for which no group elements exist.

The CSD utility continues to process the LIST command, but will not list elements of the named group.

Run the DFHCSDUP VERIFY utility to verify the group.

During the execution of a generic COPY command, the CSD batch update utility scans the CSD file for matches to the generic GROUP keyword. For every match, the utility resolves the generic TO keyword, and informs the user of the resulting grpname1 and grpname2 respectively.

Normal processing continues.

The utility ignores the command to prevent truncation of the TO group name.
Explanation

CICS has found an unrecognized resource type code in a CSD record. The unrecognized code does not match any of the function codes in the language definition table. This can occur for one of the following reasons:

1. You are using a CICS release that does not support a type of definition that was created on the CSD file by a later CICS release.
2. The language definition table (DFHEITSP or DFHEITCU) is invalid for this CICS release.
3. The CSD manager (DFHDMP) has passed an invalid CSD record buffer to DFHPUP. This is a CICS internal logic error.

System action

The resource is ignored and the operation continues.

User response

Determine which of the possible reasons caused the error. If you can eliminate reasons 1 and 2, you can assume that reason 3 applies.

Take action corresponding to the reason you have established as follows:

1. Ignore the message.
2. Ensure that the library contains versions of DFHEITSP and DFHEITCU that are valid for the CICS release you are running.
3. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHCAP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. tranid

Destination

CSMT

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Explanation

During CSD utility processing, an internal error has occurred in the migration of a TCT. This is because of lack of storage for TYPETERM definitions.

System action

The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

Definitions that have already been migrated remain on the CSD. The MVS user abend code is 0308.

User response

1. Run the DFHCSDUP VERIFY utility.
2. Delete the groups created by the failing MIGRATE command.
3. Allocate a larger region size in the utility JCL, and retry the command.
4. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:

DFHCAP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. tranid

Destination

CSMT

DFHCA5264 W  date time applid netname tranid
Resource object not defined. Group grpname not available.

Explanation

During the migration of a TCT, the CSD utility could not define a resource object because the target group grpname was not available. The utility has issued a previous message indicating the reason.
**System action**
The utility creates no definition for resource object. Normal utility processing continues.

**User response**
Review the original message. If necessary, recode the TYPE=GROUP macro in the TCT source to name a suitable group.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. object
7. grpname

**Destination**
CSMT

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. termid

**Explanation**
An error has been detected during the migration of a TCT. When migrating a session, DFHCSDUP checks that the associated CONNECTION has been defined successfully. If it has not, DFHCSDUP abnormally terminates the session definition.

**System action**
The specified SESSIONS resource is not migrated to the CSD. DFHCSDUP continues with the migration of subsequent TCT entries.

**User response**
Use the diagnostic information in the output listing from the MIGRATE utility to determine why the CONNECTION definition has failed. You can then use RDO to DEFINE the CONNECTION and the SESSIONS to the CSD.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. sessions

**Destination**
CSMT

**XMEOUT parameters/Message inserts**

1. date
2. time

---

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Explanation
The CSD utility has successfully deleted a group or list from the primary CSD file.

System action
Normal utility processing continues.

User response
None.

Module: DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. group-or-list
7. xxxxxxxx

Destination
CSMT

DFHCA5271 S  date time applid netname tranid
Unable to delete group-or-list xxxxxxxx from the CSD.

Explanation
During CSD utility processing, an error in accessing the CSD file caused a delete operation to fail.

System action
The utility does not process the DELETE command. The group or list to be deleted remains on the CSD file.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. resource
7. object
8. grpname

Destination
CSMT

DFHCA5272 I  date time applid netname tranid
resource object deleted from group grpname

Explanation
The CSD utility successfully deleted the named resource, where:
- resource is the type of resource
- object is the name of the object.

System action
Normal utility processing continues.

User response
None.

Module: DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. resource
7. object
8. grpname

Destination
CSMT

DFHCA5273 W  date time applid netname tranid
resource object is not in group grpname
Explanation
The CSD utility detected an attempt to delete a resource which did not exist in the named group, where:
- resource is the type of resource
- object is the name of the object
- grpname is the name of the group.

System action
The utility does not process the DELETE command.

User response
Check that you have coded the group and resource names correctly.

Module: DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. resource
7. object
8. grpname

Destination
CSMT

DFHCA5275 E date time applid netname tranid
Group grpname is not a member of list listname

Explanation
The REMOVE command being executed names a GROUP that is not a member of LIST listname.

System action
The command is not executed.

User response
None.

Module: DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. grpname

Chapter 2. CICS messages 369
7. **listname**

**Destination**
CSMT

*DFHCA5277 I  date time applid netname tranid*

List list deleted from CSD.

**Explanation**
The final group has been removed from list **listname**. The list has therefore been deleted.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxxx

**Destination**
CSMT

*DFHCA5280 I  date time applid netname tranid*

Processing definitions from library member xxxxxxxx

**Explanation**
The CSD utility has successfully loaded data from the named library member.

**System action**
Normal utility processing continues.

**User response**
None.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxxx

**Destination**
CSMT

*DFHCA5281 S  date time applid netname tranid*

Data loaded from library member xxxxxxxx is invalid

**Explanation**
The CSD utility has found an error in data loaded from the named library member.

**System action**
The utility attempts to:
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

**User response**
Obtain a dump containing the failing library member.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxxx

**Destination**
CSMT
**DFHCA5282 E**  
*date time applid netname tranid*  
Unable to get storage for library member xxxxxxxx

**Explanation**
There is insufficient storage available to load the library member xxxxxxxx.

**System action**
The utility terminates processing of the command that required access to the named library member.

**User response**
Allocate a larger region size in the utility JCL and resubmit the job.

**Module:**  
DFHCAP

**XMEOUT parameters/Message inserts**
1. *date*  
2. *time*  
3. *applid*  
4. *netname*  
5. *tranid*  
6. *xxxx*  
7. *xxxx*

**Destination**
CSMT

**DFHCA5283 S**  
*date time applid netname tranid*  
RDL subcommand exceeds 1536 bytes: xxxxxx xxxxx xxxxx....

**Explanation**
The CSD utility found an internal error in the data loaded while processing the indicated (truncated) UPGRADE, INITIALIZE, or MIGRATE command.

**System action**
The utility attempts to:
1. Close any files previously opened internally.  
2. Unload any extract exit routines that were dynamically loaded.  
3. Invoke the termination exit routine (if supplied).  
4. Return control to the invoker of the utility.

**User response**
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**  
DFHCAP

**XMEOUT parameters/Message inserts**
1. *date*  
2. *time*  
3. *applid*  
4. *netname*  
5. *tranid*  
6. *xxxx*  
7. *xxxx*  
8. *xxxx*
Destination
CSMT

DFHCA5285 E \textit{date time applid netname tranid}
Invalid verb in RDL subcommand: \textit{xxxx xxxx xxxx}....

Explanation
The CSD utility found an internal error in the data loaded while processing the indicated (truncated) UPGRADE, INITIALIZE, or MIGRATE command.

System action
The utility attempts to:
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. \textit{date}
2. \textit{time}
3. \textit{applid}
4. \textit{netname}
5. \textit{tranid}
6. \textit{xxxx}
7. \textit{xxxx}
8. \textit{xxxx}

Destination
CSMT

DFHCA5286 E \textit{date time applid netname tranid}
Unable to create resource definition on CSD file: \textit{xxxx xxxx xxxx}....

Explanation
This message is issued during the processing of the indicated (truncated) command for one of the following reasons:

1. The CSD is full (in which case, messages DFHCA5175 and DFHCA5176 accompanies this one)
2. The CSD was defined as read-only (in which case, message DFHCA5174 accompanies this message)
3. The TCT being migrated contained a terminal entry with a name unacceptable to RDO (in which case, message DFHCA5165 accompanies this message)
4. A list or group cannot be used due to the failure of a previous update operation (in which case, message DFHCA5142 accompanies this message)
5. The resource definition list being used to INITIALIZE or UPGRADE the CSD file contained a definition with an invalid resource name or group name
6. A logic error occurred in DFHCSDUP or an internal error was detected in the data contained in the loaded table.

System action
The system action depends on the reason the message is issued, as follows.

1. Migration of the TCT table is terminated immediately.
2. Processing of the UPGRADE or INITIALIZE command is terminated
3. The utility attempts to:
   a. Close any files previously opened internally.
   b. Unload any extract exit routines that were dynamically loaded.
   c. Invoke the termination exit routine (if supplied).
   d. Return control to the invoker of the utility.
4. The command is not executed, and execution of further DFHCSDUP commands in the job stream is suppressed.
5. As in (3) above.
6. As in (3) above.

In ALL cases, all the definitions created by this command up to the point of failure remain on the CSD.

User response
The user response depends on the reason the message is issued, as follows.

1. See message DFHCA5175 and DFHCA5176.
2. See message DFHCA5174.

3. Change the name of the terminal and all references to it. Also refer to the user response for message DFHCA5165.

4. See message DFHCA5142.

5. This is a CICS logic error. See instruction for 6 below.

6. This is a CICS logic error. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed. A CICS background trace of the failure may aid them in problem diagnosis.

Module: DFHCAP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. tranid
6. xxxx
7. xxxx
8. xxxx

Destination
CSMT

DFHCA5287 E  date time applid netname tranid
Extract terminated at user's request. RC=retcode

Explanation
A batch job has issued a CSD utility EXTRACT command. The EXTRACT command has been terminated because of a nonzero value in register 15 on return from a user exit program. Subsequent messages indicate any further problems encountered by the utility.

System action
Execution of the utility command is terminated. This message is followed by DFHCA5104.

User response
Determine the cause of the error detected by the user exit program, using the return code retcode provided and the relevant documentation of the user exit program.

Module: DFHCAP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. tranid
6. retcode

Destination
CSMT

DFHCA5288 E  Get-command terminated at user's request. RC=retcode

Explanation
The GET-COMMAND exit has returned a value other than UERCNORM ('00'X) or UERCDONE ('04'X) indicating that the GET-COMMAND exit was unsuccessful.

System action
Execution of the utility command is terminated.

User response
Correct the operation of the GET-COMMAND user exit before re-running the utility. Consult the documentation or listing supplied with the user exit for information on how to diagnose and fix the problem.

Module: DFHCAP

Destination
SYSPRINT

DFHCA5290 W  Table tabtype macro mactype=value is not supported. Value is changed to newvalue.

Explanation
During a table tabtype migration for macro mactype, value is not supported. value has been migrated as newvalue.
**System action**
The utility creates the definition for the resource with the changed value. Normal utility processing continues.

**User response**
Review the object definition to ensure that the modified definition is acceptable.

**Module:**
DFHCSDUP

**Destination**
SYSPRINT

**Explanation**
The DFHCSDUP migration utility could not define object in the group specified. The migration cannot continue.

**System action**
The utility terminates the migration of the table.

**User response**
Verify that the specified group is the correct group and review prior errors to determine why the migration utility could not create the definition in the group.

**Module:**
DFHCSDUP

**Destination**
SYSPRINT

**Explanation**
CICS issues this message if there are object-1 table definitions that have not been defined because the table was not defined correctly. object-1 table definitions must refer to a object-2 in the table.

**System action**
The migration of the table ends.

**User response**
Reassemble the table with the current release macro source.

**Module:**
DFHCSDUP

**Destination**
SYSPRINT

**Explanation**
Multiple values were specified for TYPE=mactype parameter. The migration of the tabtype table supports only one value.

**System action**
The migration utility ignores the additional values. The migration continues.

**User response**
Review the migrated definition to ensure that the new single value is acceptable.

**Module:**
DFHCSDUP
**Destination**
SYSPRINT

**DFHCA5501 E**

*date time applid netname tranid*

Command not executed. *keyword* must be specified.

**Explanation**

A keyword *keyword*, which is required in the command, has been omitted or was incorrectly specified. An earlier message identifies if the latter case is applicable.

**System action**

The utility ignores the command.

**User response**

Correct the command.

**Module:**

DFHCAP

**Explanation**

Two options, *xxxxxx* and *yyyyyy*, that are mutually exclusive have been specified.

**System action**

The utility ignores the command.

**User response**

Correct the command.

**Module:**

DFHCAP

**Destination**

CSMT

**DFHCA5502 W**

*date time applid netname tranid*

*xxxxxx* implies *yyyyyy*

**Explanation**

The value *xxxxxx* specified in a DEFINE or CREATE command has caused another value *yyyyyy*, which is not a normal default, to be assumed.

**System action**

Normal utility processing continues.

**User response**

Check that the resulting resource definition is acceptable. If you accept this default, no further action is required.

**Module:**

DFHCAP

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *netname*
5. *tranid*
6. *xxxxxx*
7. *yyyyyy*

**Destination**

CSMT

**DFHCA5503 E**

*date time applid netname tranid*

Command not executed. *xxxxxx* option conflicts with *yyyyyy* option and is ignored.

**Explanation**

The value *xxxxxx* specified in a DEFINE or CREATE command has caused another value *yyyyyy*, which is not a normal default, to be assumed.
**DFHCA5504 E**  
*date time applid netname tranid*  
Command not executed. Use of *xxxxxxx* option implies *yyyyyyy* option must be specified.

**Explanation**  
Option *xxxxxxx* requires another value, *yyyyyyy*.

**System action**  
The utility ignores the command.

**User response**  
Specify *yyyyyyy*.

**Module:**  
DFHCAP

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *netname*
5. *tranid*
6. *xxxxxxx*
7. *yyyyyyy*

**Destination**  
CSMT

**DFHCA5506 E**  
*date time applid netname tranid*  
Command not executed. For *xxxxxxx* many options, including *yyyyyyy*, are meaningless.

**Explanation**  
A keyword or value has been specified that is not consistent with another.

**System action**  
The utility ignores the command.

**User response**  
Correct the command.

**Module:**  
DFHCAP

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *netname*
5. *tranid*
6. *xxxxxxx*
7. *yyyyyyy*

**Destination**  
CSMT

**DFHCA5505 W**  
*date time applid netname tranid*  
Program DFHMSP requires a TWASIZE of at least 528.

**Explanation**  
A DEFINE or CREATE TRANSACTION command for the message switching program, DFHMSP, has given it a TWASIZE of less than 528 bytes. If it is to be a definition for the CICS-supplied program of that name, it will not execute correctly.

**System action**  
Normal utility processing continues.

**User response**  
Check that the resulting resource definition is as you expect.

**Module:**  
DFHCAP

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *netname*
5. *tranid*
6. *xxxxxxx*
7. *yyyyyyy*

**Destination**  
CSMT

**DFHCA5507 E**  
*date time applid netname tranid*  
Command not executed. *xxxxxxx* value must be greater than *yyyyyyy* value.

**Explanation**  
A value has been specified that is not consistent with another. *xxxxxxx* must be greater than *yyyyyyy*.
System action
The utility ignores the command.

User response
Correct the command.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxx
7. yyyyyyy

Destination
CSMT

DFHCA5508 E date time applid netname tranid
Command not executed. xxxxxxx value must be less than or equal to yyyyyyy value.

Explanation
A value has been specified that is not consistent with another. The value xxxxxxx must be less than or equal to yyyyyyy.

System action
The utility ignores the command.

User response
Correct the command.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxx
7. yyyyyyy

Destination
CSMT

DFHCA5509 E date time applid netname tranid
Command not executed. xxxxxxx name must not be the same as yyyyyyy name.

Explanation
Some values in DEFINE or CREATE commands must not be the same as the name of the resource. xxxxxxx must not have the same name as yyyyyyy.

System action
The utility ignores the command.

User response
Correct the command.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxx
7. yyyyyyy

Destination
CSMT

DFHCA5510 W date time applid netname tranid
xxxxxxx names beginning with yyyyyyy are reserved and may be redefined by CICS.

Explanation
CICS supplies standard programs and transactions whose names you should usually avoid.

System action
Normal utility processing continues.

User response
Check that the resulting resource definition is as you expect.

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XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxxx
7. yyyyyyy

Destination
CSMT

DFHCA5511 W  date time applid netname tranid
xxxxxxx name yyyyyyy is reserved
and may be redefined by CICS.

Explanation
CICS supplies standard programs and transactions
whose naming conventions you should avoid.

System action
Normal utility processing continues.

User response
Check that the resulting resource definition is as you
expect.

Module:
DFHCAP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxxx
7. yyyyyyy

Destination
CSMT

DFHCA5512 W  date time applid netname tranid
Program name begins with 'DFH'

Explanation
but transaction name does not
begin with 'C'.

System action
CICS supplies standard programs and transactions
whose naming conventions you should avoid.

User response
Check that the resulting resource definition is as you
expect.

Module:
DFHCAP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxxx
7. yyyyyyy

Destination
CSMT

DFHCA5513 E  date time applid netname tranid
Command not executed. The
second value of xxxxxxxx must not
be greater than the first.

Explanation
Some keywords take pairs of values which are
essentially maximum and minimum values.

System action
The utility ignores the command.

User response
Correct the command.

Module:
DFHCAP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxx

**Destination**
CSMT

**DFHCA5514 E**
date time applid netname tranid
Command not executed. With SESSNAME there can only be one COUNT and its value must be 1.

**Explanation**
The use of SESSNAME in a DEFINE or CREATE SESSIONS command means that a single-session, either for sending or receiving, is required.

**System action**
The utility ignores the command.

**User response**
Correct the command.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. tranid

**Destination**
CSMT

**DFHCA5516 W**
date time applid netname tranid
The values of DEVICE and SESSIONTYPE are equivalent to DEVICE(devtype) and have been replaced.

**Explanation**
A DEFINE or CREATE TYPETERM command has a valid but obsolete DEVICE and SESSIONTYPE combination. This DEVICE and SESSIONTYPE combination has been replaced by a simpler equivalent indicated by devtype.

**System action**
Normal utility processing continues.

**User response**
Check that the resulting resource definition is as you expect. The Defining resources provides further information about device equivalents.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. tranid
6. devtype
Destination
CSMT

DFHCA5517 E  
Command not executed. prefix and COUNT together make more than four characters.

Explanation
In a SESSIONS definition, the prefix parameter (SENDPFX or RECEIVEPFX) is used to generate session names by adding numeric suffixes up to the corresponding count value (SENDCOUNT or RECEIVECOUNT). Since the session names cannot be longer than four characters, when the count of sessions exceeds 99 the prefix can only be one character.

User response
Check that the resulting resource definition is as you expect.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxx

Destination
CSMT

DFHCA5518 W  
XTRANIDS xxxxxxx are reserved and may be redefined by CICS.

Explanation
CICS supplies programs and transactions whose names you should usually avoid.

User response
Check that the resulting resource definition is as you expect.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxx
7. y
**Explanation**

A DEFINE or CREATE TYPETERM command has a valid but obsolete DEVICE value which has been replaced by a simpler equivalent.

**System action**

Normal utility processing continues.

**User response**

Check that the resulting resource definition is as you expect.

The Defining resources provides further information about these simpler equivalent devices.

**Module:**

DFHCAP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxx
7. yyyyyyy

**Destination**

CSMT

**Explanation**

A character value in a DEFINE or CREATE command is too long.

**System action**

The utility ignores the command.

**User response**

Correct the command.

**Module:**

DFHCAP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxx
7. yyyyyyy

**Destination**

CSMT

**Explanation**

A value yyyyyyyy has been specified for keyword xxxxxxxx which is not valid. It may for instance be non-numeric.

**System action**

The utility ignores the command.
DFHCA5523 E  

**date time applid netname tranid**

Command not executed. File DFHCSD must be defined in the SIT and not the CSD.

**Explanation**

DFHCSD has been defined in the CSD rather than in the SIT. This is not allowed.

**System action**

The utility ignores the command.

**User response**

Correct the command. Define DFHCSD in the SIT.

**Module:**

DFHCAP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid

**Destination**

CSMT

---

DFHCA5524 W  

**date time applid netname tranid**

BMS route for console may cause unpredictable results if maps or TEXT(ACCUM) used on device.

**Explanation**

The routing of multiline maps or accumulated text to the console is not supported.

**System action**

Normal processing continues.

**User response**

Ensure that the unsupported console operations are disabled.

**Module:**

DFHCAP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxxx
7. yyyyyyyy

**Destination**

CSMT

---

DFHCA5525 W  

**date time applid netname tranid**

xxxxxxxxx value is not valid, yyyyyyyy has been assumed.

**Explanation**

The value xxxxxxxx is not valid. The value yyyyyyyy has been assumed.

**System action**

The utility ignores the command.

**User response**

Correct the command.

**Module:**

DFHCAP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxxx
7. yyyyyyyy

**Destination**

CSMT

---

DFHCA5526 E  

**date time applid netname tranid**

xxxxxxxxx must have rows and columns specified.

**Explanation**

xxxxxxxxx must have rows and columns specified.

**System action**

The utility ignores the command.
User response
Correct the command.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxx

Destination
CSMT

DFHCA5527 E date time applid netname tranid
Command not executed. Remote options are ignored for programs starting with DFH.

Explanation
CICS supplies standard programs which are not allowed to have remote attributes.

System action
The command is ignored.

User response
Correct the command by deleting the remote attributes from the program definition.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. keyword

Destination
CSMT

DFHCA5529 E date time applid netname tranid keyword or keyword must be specified.

Explanation
Neither of the indicated keywords has been specified. When defining a resource, you must specify one of these keywords.

System action
The utility ignores the command.

User response
Supply one of the indicated keywords and retry.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid

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6. keyword
7. keyword

Destination
CSMT

DFHCA5530 W

Explanation
CICS supplies programs and transactions whose names you should usually avoid in resource definitions.

User response
Check that the resulting resource definition is as you expect.

Module:
DFHCA5530

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. string

Destination
CSMT

DFHCA5531 W

Explanation
CICS supplies programs and transactions whose names you should usually avoid in resource definitions.

System action
Normal utility processing continues.

User response
Check that the resulting resource definition is as you expect.

Module:
DFHCA5531

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. ALTSCREEN

Destination
CSMT

DFHCA5532 E

Explanation
One of the specified values is zero and the other is nonzero. This is an invalid combination.

System action
The utility ignores the command.

User response
Ensure that a valid combination of ALTSCREEN rows and columns is specified. See the Defining resources for details of valid combinations.

Module:
DFHCA5532

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. ALTSCREEN
User response
Check that the resulting resource definition is as you expect. See the Defining resources for more guidance.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. keyword1
7. keyword2

Destination
CSMT

**DFHCA5535 E**

**date time applid netname tranid**

Command not executed. restype name resname is reserved by CICS.

Explanation
The user specified a resource name resname for resource type restype which is reserved for use by CICS.

System action
The utility ignores the command.

User response
Specify a different resource name.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. restype
7. resname

Destination
CSMT

**DFHCA5534 W**

**date time applid netname tranid**

When you change the value of DEVICE many other values may be changed for you.

Explanation
When ALTERing the DEVICE in a TYPETERM resource definition, the batch update utility changes forced values that are incompatible with the new DEVICE. However, dependent default values are not changed, and may now be incompatible.

System action
Normal utility processing continues.
DFHCA5536 W date time applid netname tranid
keyword1 and keyword2 attributes are inconsistent if definition is being shared with a back-level release.

Explanation
keyword1 has been preceded by keyword2. However, keyword1 has been kept for compatibility reasons. After updating or creating the resource, the value specified for keyword1 has become inconsistent with the value specified for keyword2.

System action
The resource is created or updated.

User response
If sharing the resource with a back level release, ensure that the resulting resource definition is acceptable. Otherwise, ignore the message.

Module: DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. keyword1
7. keyword2

Destination
CSMT

DFHCA5538 W date time applid netname tranid
resource names starting with x may conflict with system sessions names.

Explanation
The resource resource has been given a name starting with the character x, which might be used for system-generated SESSIONS names.

System action
The definition is created or updated.

User response
Ensure there is no conflict with the name given to the resource and SESSIONS names.

Module: DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. resource
7. x

Explanation
A null value has been accepted for a send or receive prefix for an LU6.1 or MRO session. The default value ‘>’ is supplied by CICS for send sessions and ‘<’ for receive sessions. These values are the default prefixes for MRO session names. The use of these prefixes is allowed for LU6.1 sessions, but is not recommended if MRO session names with the same prefixes are in use, because duplicate names may occur if large numbers of sessions are defined.
Destination
CSMT
DFHCA5539 S  
\textit{keyword} is not valid because it starts with the reserved character or string \textit{string}.

Explanation
The name you have given to keyword \textit{keyword} is not valid because the name begins with a reserved character or string such as "C" or "DFH".

System action
The definition is not created.

User response
Change the name of the keyword.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. \textit{date}
2. \textit{time}
3. \textit{applid}
4. \textit{netname}
5. \textit{tranid}
6. \textit{keyword}
7. \textit{string}

Destination
CSMT
DFHCA5540 W  
value is greater than \textit{yyyyyyy} value. The lower value takes precedence.

Explanation
A value has been specified that is not consistent with another. The value \textit{xxxxxxx} is greater than value \textit{yyyyyyy}. Value \textit{yyyyyyy} takes precedence and overrides the higher value.

System action
The definition is created or updated with the two values as specified.

User response
Correct the command.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. \textit{date}
2. \textit{time}
3. \textit{applid}
4. \textit{netname}
5. \textit{tranid}
6. \textit{xxxxxxx}
7. \textit{yyyyyyy}
**Destination**
CSMT

**DFHCA5543 E**
Command not executed. Generic characters must be in the same position in *xxxxxxx* and *yyyyyyy*.

**Explanation**
Two options, *xxxxxxx* and *yyyyyyy*, have been specified containing generic characters. The generic characters must be placed in the same position for both keywords.

**System action**
The utility ignores the command.

**User response**
Correct the command.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *netname*
5. *tranid*
6. *xxxxxxx*
7. *yyyyyyy*

**Destination**
CSMT

**DFHCA5544 E**
Command not executed. *xxxxxxx* must be specified as *yyyyyyy* because a previous value is generic.

**Explanation**
The options specified conflict. If TYPE EJB is specified, the respective ejb-type options must be specified. The ejb-type attributes are BEANNAME and INTFRACETYPE. Likewise, for TYPE CORBA, the corba-type attributes must be specified. These are MODULE and INTERFACE. For TYPE GENERIC, either attributes may be specified but they should be generic.

**System action**
The utility ignores the command.

**User response**
Correct the command.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *netname*
5. *tranid*
6. *xxxxxxx*
7. *yyyyyyy*
Destination
CSMT

DFHCA5547 E  
\textit{date time applid netname tranid}  
Command not executed. \textit{xxxxxxx} value \textit{yyyyyyy} is invalid.

Explanation
A value \textit{yyyyyyy} has been specified for keyword \textit{xxxxxxx} which is not valid. It may for instance be non-numeric.

System action
The utility ignores the command.

User response
Correct the command.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date  
2. time  
3. applid  
4. netname  
5. tranid  
6. xxxxxxx
7. yyyyyyy

Destination
CSMT

DFHCA5548 E  
\textit{date time applid netname tranid}  
Command not executed. \textit{xxxxxxx} option is invalid for a back level REQUESTMODEL.

Explanation
The options specified conflict. If CORBASERVER name is blank and the respective previous level attributes (OMGMODULE, OMGOPERATION, and OMGINTERFACE) are specified, the use of BEANNAME, MODULE, INTERFACE and OPERATION is not allowed. It is not possible to give a back level requestmodel definition new attributes. The old requestmodel must be discarded and redefined with the new attributes if it is required to be used on this level of CICS.

System action
The utility ignores the command.

User response
Correct the command.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date  
2. time  
3. applid  
4. netname  
5. tranid

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**Explanation**

`keyword1` has been specified with a value that is incompatible with the value for `keyword2`.

**System action**

The utility changes `keyword1` to set the default value and processes the command.

**User response**

Ensure that the resulting resource definition is acceptable.

**Module:** DFHCAP

---

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `netname`
5. `tranid`
6. `keyword1`
7. `keyword2`

**Destination**

CSMT

**Explanation**

`keyword1` has been specified with a generic name containing wildcard characters (asterisks or plus signs). But this is only permitted when `keyword2` is also specified as a generic name.

**System action**

The utility ignores the command.

**User response**

If it is required that `keyword1` must be generic, ensure that `keyword2` is also specified with a generic name.

**Module:** DFHCAP

---

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `netname`
5. `tranid`
6. `keyword1`
7. `keyword2`

**Destination**

CSMT

**Explanation**

The CIPHER attribute has been specified with an invalid value, `value`, which is not in the valid set of cipher values as indicated by `list`.

**System action**

The utility ignores the command.

**User response**

Ensure that you have defined a set of CIPHER values which are correct for this CICS address space.

**Module:** DFHCAP

---

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `netname`
5. `tranid`
6. value
7. list

Destination
CSMT
DFHCA5553 E  
Command not executed. field cannot start with a 'char'.

Explanation
The named attribute field, field, starts with an invalid character, char. This is commonly caused by the field starting with an '*' which is not allowed.

System action
The utility ignores the command.

User response
None.
Module: DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. field1
7. field2

Destination
CSMT
DFHCA5554 W  
Use of static attribute field1 forces field2.

Explanation
The Server URIMAP attribute field, field1 is within the set that returns a static response. This has forced the setting of field2. This is commonly caused by specifying MEDIATYPE, CHARSETSET, HOSTCODEPAGE, TEMPLATENAME or HFSFILE with ANALYZER(YES) when ANALYZER(NO) is required.

System action
The utility ignores the command.

User response
None.
Module: DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. attribute
Destination
CSMT

DFHCA5556 E  
Command not executed. resource names beginning with 'yyy' are reserved and cannot be used.

Explanation
CICS supplies standard programs and transactions whose names you should avoid. For this type of resource, however, you must not use reserved names.

System action
The utility ignores the command.

User response
Rename the resource definition to an appropriate name.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. xxxxxxx
7. resource

Destination
CSMT

DFHCA5557 E  
Command not executed. 'xxxxxxx' is a reserved name and cannot be used as a resource name.

Explanation
Certain names are reserved and are not allowed to be used as resource names.

System action
The utility ignores the command.

User response
Ensure that you definitely want the specified LIBRARY to appear before the DFHRPL in the library search order. Otherwise, define the LIBRARY resource with a RANKING value greater than 10.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. resource

Destination
CSMT

DFHCA5559 W  
_host conflicts with _ipaddress. 
_HOST takes precedence.

Explanation
HOST is the preferred attribute for specifying IP addresses for TCPIPSERVICE. If both HOST and IPADDRESS are specified on your TCPIPSERVICE definition and they are different, the system takes the HOST value and ignores the IPADDRESS.

System action
The utility continues.

User response
Use HOST in preference to IPADDRESS or ensure that they are the same.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. _date
2. _time
3. _applid
4. _netname
5. _tranid
6. _port_attribute

Destination
CSMT

DFHCA5560 E  
_port_attribute conflicts with port number found in HOST attribute.

Explanation
The HOST attribute contains a port number and a different, non-zero PORT attribute has also been specified on the definition of this client URIMAP.

System action
The utility ignores the command.

User response
Use PORT in preference to adding a port to HOST or ensure that they are the same value. PORT must be used to specify a port number for an IPV6 address.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. _date
2. _time
3. _applid
4. _netname
5. _tranid

Destination
CSMT

DFHCA5561 E  
_tranid Compatibility option PRIVACY(NOTSUPPORTED) is not supported.

Explanation
The compatibility option PRIVACY is set to NOTSUPPORTED which is not supported.

System action
The resource definition fails.

User response
Use the option CIPHERS to set the list of ciphers used.

Module:
DFHSPSOV

XMEOUT parameters/Message inserts
1. _date
2. _time
3. _applid
4. _netname
5. _tranid

Destination
CSMT

DFHCA5562 E  
_tranid Compatibility option
OUTPRIVACY(NOTSUPPORTED) is not supported.

Explanation
The compatibility option OUTPRIVACY is set to NOTSUPPORTED which is not supported.

System action
The resource definition fails.

User response
Use the option CIPHERS to set the list of ciphers used.

Module:
DFHSPEJV

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid

Destination
CSMT

DFHCA5563 W date time applid netname tranid
name is ignored when defining MQMONITOR DFHMQINI.

Explanation
An unsupported attribute has been specified when defining MQMONITOR DFHMQINI.

System action
The attribute is ignored.

User response
None.

Module:
DFHSPMQV

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname

Destination
CSMT

DFHCA5560 E date time applid netname tranid
Unable to get storage for module DFHCICS. Primary CSD not initialized.

Explanation
There is insufficient storage to load module DFHCICS.

System action
Processing of the INITIALIZE command is terminated.

User response
Ensure that there is sufficient storage to load the DFHCICS module.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid

Destination
CSMT

DFHCA5601 E date time applid netname tranid
Unable to load the tabletype table named table.

Explanation
Table table cannot be loaded.

System action
The system action depends on the type of table.

LD
DFHCSDUP cannot process the command. The utility attempts to:
1. Close any files previously opened internally.
2. Unload any EXTRACT exit routines that were dynamically loaded.
3. Invoke the termination exit routine, if supplied.
4. Return control to the invoker of the utility.

**FCT or RDT**
The CSD utility cannot load the table, and terminates the processing of the utility command.

**User response**
Refer to the preceding MVS message which should specify the reason for the failure.

If your FCT or TCT assembly and link-editing is successful, the FCT or RDT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

**Module:** DFHCAP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. tranid
6. tabletype
7. table

**Destination**
CSMT

**Explanation**
Table *table* cannot be unloaded.

**System action**
The system action depends on the type of table.

**LD**
DFHCSDUP cannot process the command. The utility attempts to:
1. Close any files previously opened internally.
2. Unload any EXTRACT exit routines that were dynamically loaded.
3. Invoke the termination exit routine, if supplied.

4. Return control to the invoker of the utility.

**FCT or RDT**
The CSD utility cannot unload the table, and terminates the processing of the utility command.

**User response**
Refer to the preceding MVS message which should specify the reason for the failure.

If your FCT or TCT assembly and link-editing is successful, the FCT or RDT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

**Module:** DFHCAP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. tranid
6. tabletype
7. table

**Destination**
CSMT

**Explanation**
DFHCSDUP was unable to obtain storage for the cross-reference table named *table*.

**System action**
DFHCSDUP cannot process the command.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

**User response**
Increase the region size and retry the command.
**Module:** DFHCAP

**Explanation**
The call to module DFHDMP has failed to construct a valid key for the record created on the CSD file. This is because the group or list name contains an invalid character.

**System action**
A CSD record is not created for this definition. (If it is a transaction, a generated profile is not created either.)

**User response**
Use the CEDA transaction to define the resource with a valid name.

---

**Module:** DFHCAP

**Explanation**
The service module, `proname`, cannot be loaded due to insufficient storage.

**System action**
Utility command execution is terminated. If commands are being read from a SYSIN data stream by the utility, subsequent commands are checked for syntax only.

**User response**
Retry the utility command with an increased region size.

---

**Module:** DFHCAP

**Explanation**
An I/O error has occurred on the secondary CSD file.

**System action**
The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, subsequent commands are checked for syntax only.

**User response**
Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.
**DFHCAP**

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. netname  
5. tranid

**Destination**  
CSMT

---

**DFHCA5608 S**  
*date time applid netname tranid*  
Command is terminated. Error occurred while reading a secondary CSD record.

**Explanation**  
An I/O error has occurred on the secondary CSD file.

**System action**  
The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, subsequent commands are checked for syntax only.

**User response**  
Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command. If the problem persists, try to obtain a print out of the CSD, using either IDCAMS or the DFHCS Dup LIST ALL option. The LIST indicates where errors have occurred because they will not print and are therefore easily identifiable.

**Module:**  
DFHCAP

---

**XMEOUT parameters/Message inserts**  
1. date  
2. time  
3. applid  
4. netname  
5. tranid

**Destination**  
CSMT

---

**DFHCA5609 S**  
*date time applid netname tranid*  
Command is terminated. Error occurred while writing a primary CSD record.

**Explanation**  
An I/O error has occurred on the primary CSD file.

**System action**  
The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, subsequent commands are checked for syntax only.

**User response**  
Retry the command, ensuring that a sufficiently large data set is specified for the output (primary) CSD file.

**Module:**  
DFHCAP

---

**XMEOUT parameters/Message inserts**  
1. date  
2. time  
3. applid  
4. netname  
5. tranid

**Destination**  
CSMT

---

**DFHCA5611 E**  
*date time applid netname tranid*  
Command not executed.  
'parameter' parameter must begin with 'DFH'.

**Explanation**  
In a CSD utility MIGRATE command, the specified parameter contained an invalid table name or group name.

**System action**  
The utility does not process the command.

**User response**  
Resubmit the MIGRATE command with a valid table name or group name.

**Module:**  
DFHCAP

---

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**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. parameter

**Explanation**

The member is not in the libraries named in the JCL.

**System action**

The utility terminates processing of the command that required access to library member `member`.

**User response**

Ensure that the member is correctly link-edited into the library and resubmit the job.

**Module:**

DFHCAP

**Destination**

CSMT

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. tranid
6. member

**Explanation**

DFHCSDUP could not load library member `member`.

**System action**

The utility terminates processing of the command that required access to the library member.

**User response**

Ensure that the member is correctly link-edited into the library and resubmit the job.

**Module:**

DFHCAP

**Destination**

CSMT

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname

**Explanation**

DFHCSDUP could not load library member `member`.

**System action**

The utility terminates processing of the command that required access to the library member.

**User response**

Ensure that the member is correctly link-edited into the library and resubmit the job.

**Module:**

DFHCAP

**Destination**

CSMT

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname

5. tranid
6. member

Destination
CSMT

**DFHCA5617 S**

*date time applid netname tranid*  
Command is terminated.  
Unrecognised type of record encountered while secondary CSD was being read.

**Explanation**
The record-type field of an input CSD record is invalid.

**System action**
The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, subsequent commands are checked for syntax only.

**User response**
Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.

If the problem persists, try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST indicates where errors have occurred because they will not print and are therefore easily identifiable.

**Module:**  
DFHCAP

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *netname*
5. *tranid*

**Destination**
CSMT

**DFHCA5618 I**

*date time applid netname tranid*  
An attention interrupt was requested during DFHCSDUP execution.

**Explanation**
An attention interrupt has been requested while DFHCSDUP is executing in a TSO environment.

**System action**
Normal utility processing continues.

Control is passed to a put-message exit if one has been specified on the extended entry linkage. Refer to the Developing system programs for CICS for more information about put-message exits.

**User response**
None.

**Module:**  
DFHCAP

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *netname*
5. *tranid*

**Destination**
CSMT

**DFHCA5619 W**

*date time applid netname tranid*  
An invalid value of the PAGESIZE parameter has been specified. The default value of 60 lines per page will be used.

**Explanation**
A value of the PAGESIZE parameter outside the allowed range (4-9999) has been specified.

**System action**
The default value of 60 lines per page is taken.

**User response**
Ensure that a valid PAGESIZE value is specified in future.

**Module:**  
DFHCAP

**XMEOUT parameters/Message inserts**

1. *date*
2. time
3. applid
4. netname
5. tranid

**Destination**
CSMT

**DFHCA5620 E**  
`date time applid netname tranid`  
An illegal return code (RC=ret-code) has been returned from the exit exit.

**Explanation**
The specified user-exit routine has returned a disallowed return code.

**System action**
Processing of the utility command is terminated. The exit is not disabled.

**User response**
Investigate the specified exit routine for the cause of the return code.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. tranid
6. ret-code
7. exit

**Destination**
CSMT

**DFHCA5621 E**  
`date time applid netname tranid`  
A non-zero return code has been returned from the put-message exit.

**Explanation**
The put-message exit routine has returned a disallowed return code.

**System action**
Processing of the utility command is terminated and the put-message exit is disabled.

**User response**
Investigate the put-message exit routine for the cause of the return code.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. tranid

**Destination**
CSMT

**DFHCA5622 S**  
`date time applid netname tranid`  
The secondary CSD has been closed during clean-up processing following the interception of an abend.

**Explanation**
An abend has occurred during DFHCSDUP processing. The secondary CSD has been closed during post-ABEND cleanup processing.

**System action**
Processing of the utility command is terminated.

**User response**
Refer to prior messages for further information regarding this problem.

**Module:**
DFHCAP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. tranid
The primary CSD has been closed during clean-up processing following the interception of an abend.

Explanation
An abend has occurred during DFHCSDUP processing. The primary CSD has been closed during post-ABEND cleanup processing.

System action
Processing of the utility command is terminated.

User response
Refer to prior messages for further information regarding this problem.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid

Destination
CSMT

The extract exit program has been unloaded during clean-up processing following the interception of an abend.

Explanation
An abend has occurred during the processing of an EXTRACT command. The extract exit program specified on the USERPROGRAM keyword of the EXTRACT utility command has been unloaded during post-ABEND cleanup processing.

System action
The EXTRACT command is terminated.

User response
Refer to prior messages for further information regarding this problem.

Module:
DFHCAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. resourcetype
7. resourcename

Destination
CSMT

No IBM supplied definition found for resourcetype resourcename.

Explanation
While performing a SCAN command, the named resource type was not found in the CSD file on any of the IBM supplied groups. Note that compatibility groups are not used for the SCAN command.

System action
The utility continues.

User response
None.

Module:
DFHCSDUP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. tranid
6. resourcetype
7. resourcename

Destination
CSMT
DFHCA5631 I  

Explanation

While performing a SCAN command, the resource resourcetype name resourcename was found in group groupname1 and it matches the IBM supplied definition in group groupname2.

System action

The utility continues.

User response

None.

Module:

DFHCS DUP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. tranid
6. resourcetype
7. resourcename
8. groupname1
9. groupname2

Destination

CSMT

DFHCA5632 I  

Explanation

While performing a SCAN command, the resource resourcetype name resourcename was found in group groupname1 and it does not match the IBM supplied definition in group groupname2.

System action

The utility continues.

User response

None.

Module:

DFHCS DUP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. tranid
6. resourcetype
7. resourcename
8. groupname

Destination

CSMT

DFHCA5633 I  

Explanation

While performing a SCAN command, the resource resourcetype name resourcename was found in group groupname. No IBM supplied definition was found to perform a compare against.

System action

The utility continues.

User response

None.

Module:

DFHCS DUP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. tranid
6. resourcetype
7. resourcename
8. groupname
Explanation
While performing a SCAN command, the resource resourcetype name resourcename was not found in any user groups.

System action
The utility continues.

User response
None.

DFHCCnnnn messages

DFHCC0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in the {local / global} catalog, module modname

Explanation
An abnormal end (abend) or program check has occurred in module modname and will have occurred in either the local (DFHLCD) or the global (DFHGCD) catalog domains. This implies that there may be an error in CICS code.

Alternatively,

- Unexpected data has been input, or
- Storage has been overwritten.

The code aaa/bbbb is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action
An exception entry is made in the trace table, provided that trace is available at this time. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Then look up the CICS alphanumeric code in this manual. This will tell you, for example, whether the error was a program check, an abend, a runaway or a recovery percolation, and may give you some guidance concerning user response.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHCCCC, DFHCCDM

XMEOUT parameters/Message inserts

1. applid
2. aaa/bbbb
3. X'offset'
4. Value chosen from the following options:
   1=local,
   2=global
5. modname

**Destination**

Console

DFHCC0004  **applid** A possible loop has been detected in the {local | global} catalog at offset X'offset' in module modname

**Explanation**

A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System action**

An exception entry is made in the trace table.

A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHCCDM, DFHCCC

**XMEOUT parameters/Message inserts**

1. applid
2. Value chosen from the following options:
   1=local,
   2=global
3. X'offset'
4. modname

**Destination**

Console

DFHCC0100  **applid** Global Catalog initialization failure. {GENERATE ACB | OPEN ACB | GENERATE RPL | OPEN, SHOWCB.} R15 = X'yy' VSAM error code = X'zz'

**Explanation**

A VSAM error has occurred during global catalog initialization.

The VSAM codes given are explained in the z/OS DFSMS Macro Instructions for Data Sets manual.

The possible versions of this message include the text
- "GENERATE ACB".
- "GENERATE RPL".

The GENCB failed with the R15 condition given in X'yy'.

The X'zz' code is only meaningful if X'yy' is X'04' when: X'zz' is the error code returned by VSAM Register 0 in response to a GENCB macro.

- "OPEN ACB".

OPEN has failed with the R15 condition code X'yy'. This was followed by a successful SHOWCB which has placed the OPEN error code into X'zz'. Also see the message that VSAM writes to the operator console and programmer's listing.

- "OPEN, SHOWCB".

OPEN has failed with the R15 condition code X'yy'. This was followed by a SHOWCB which failed, and the R0 return code from the SHOWCB is given in X'zz'. Also see the message that VSAM writes to the operator console and programmer's listing.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System action**

A system dump is produced, then CICS is terminated.
Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Look up the error codes in the Introduction to VSAM Programming, correct it then retry.

If this fails, notify the system programmer. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHCCDM

**XMEOUT parameters/Message inserts**

1. `applid`
   
2. Value chosen from the following options:

   - `1=GENERATE ACB`,
   - `2=OPEN ACB`,
   - `3=GENERATE RPL`,
   - `4=OPEN, SHOWCB`.

3. `yy`
4. `zz`

**Destination**

Console

| DFHCC0101 | LOCAL CATALOG INITIALIZATION ERROR. {GENERATE ACB | OPEN ACB | GENERATE RPL | OPEN, SHOWCB}, R15 = X'yy' VSAM ERROR CODE = X'zz' |

**Explanation**

A VSAM error has occurred during local catalog initialization.

The VSAM codes given are explained in the z/OS DFSMS Macro Instructions for Data Sets manual.

The possible versions of this message include the text:

- "GENERATE ACB".
- "GENERATE RPL".

The GENCB failed with the R15 condition given in X'yy'.

The X'zz' code is only meaningful when X'yy' is X'04' when: X'zz' is the error code returned by VSAM Register 0 in response to a GENCB macro.

- "OPEN ACB".

OPEN has failed with the R15 condition code X'yy'. This was followed by a successful SHOWCB which has placed the OPEN error code into X'zz'. Also see the message that VSAM writes to the operator console and programmer's listing.

- "OPEN, SHOWCB".

OPEN has failed with the R15 condition code X'yy'. This was followed by a SHOWCB which failed, and the R0 return code from the SHOWCB is given in X'zz'. Also see the message that VSAM writes to the operator console and programmer's listing.

**System action**

A system dump is produced, then CICS is terminated.

**User response**

Look up the error codes in the Introduction to VSAM Programming, correct it then retry. If this fails, notify the system programmer.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHCCDM

**Destination**

Console

| DFHCC0102 | applid Global Catalog data set is already in use. |

**Explanation**

The VSAM error reported in the previous DFHCC0100 message suggests that the global catalog is already being used, possibly by another CICS region. The global catalog data set cannot be shared.

**System action**

CICS is terminated.

**User response**

Ensure that the DFHGCD DD statement for this CICS specifies a different global catalog data set from any CICS job that is already running.

If CICS still fails, notify the system programmer. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

Chapter 2. CICS messages 405
DFHCCDM

XMEOUT parameters/Message inserts

1. applid

Destination
Console

DFHCC0103 LOCAL CATALOG DATA SET IS ALREADY IN USE.

Explanation
The VSAM error reported in the previous DFHCC0101 message suggests that the local catalog is already being used, possibly by another CICS region. The local catalog data set cannot be shared.

System action
CICS is terminated.

User response
Ensure that the DFHLCD DD statement for this CICS specifies a different local catalog data set from any CICS job that is already running.

If CICS still fails, notify the system programmer. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHCCDM

Destination
Console

DFHCC0104 AN ABEND HAS OCCURRED DURING INITIALIZATION OF CATALOG DOMAIN IN MODULE DFHCCDM.

Explanation
DFHCCDM's recovery routine received control during pre-initialization of the local catalog (CC) domain.

System action
A system dump with dump code KERNDUMP is taken and CICS terminates.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHCCDM

Destination
Console

DFHCC0105 applid The {local | global} catalog is incorrectly defined.
Expected:keylen=\textit{req\_keylen}, lrecl=\textit{req\_lrecl}.
Defined:keylen=\textit{def\_keylen}, lrecl=\textit{def\_lrecl}.

Explanation
The catalog data set, DFHLCD or DFHGCD, has been defined incorrectly for this release of CICS. Either the key length or the maximum record size is incorrect. The key length must be equal to the expected key length \textit{req\_keylen}. The maximum record size must be greater than or equal to the expected maximum record size \textit{req\_lrecl}.

System action
An exception entry is made in the trace table, provided that trace is available at this time. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

User response
Recreate and initialize the catalog as described in the relevant section of the information center for this release of CICS.

Module: DFHCCDM

XMEOUT parameters/Message inserts

1. applid
2. Value chosen from the following options:
   \begin{itemize}
   \item 1=local,
   \item 2=global
   \item 3. \textit{req\_keylen}
   \end{itemize}
4. req_lrecl
5. def_keylen
6. def_lrecl

Destination
Console

DFHCC0106  applid Insufficient MVS storage for {CC / GC} domain anchor block.
Bytes requested=bytes.

Explanation
The catalog domain initialization module, DFHCCDM, has detected that the local catalog data set was not initialized with the current release's version of the DFHCCUTL utility program. A valid local catalog is essential for CICS to initialize correctly.

System action
A system dump is taken, unless you have specifically suppressed dumps in the dump table.
This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

User response
Increase the CICS region size or decrease the size of an EDSA to allow the anchor block to be obtained from MVS storage.

Module:
DFHCCDM

XMEOUT parameters/Message inserts
1. applid
2. Value chosen from the following options:
   1=CC,
   2=GC
3. bytes

Explanation
The catalog domain initialization module, DFHCCDM, was unable to obtain sufficient MVS storage for the CC or GC domain anchor block and associated storage. Note that the CICS local catalog data set buffers are located with the CC domain anchor block. The global catalog data set buffers are with the GC domain anchor block.

System action
A system dump is taken, unless you have specifically suppressed dumps in the dump table.
This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

User response
Initialize the local catalog data set using the version of DFHCCUTL for this release.

Module:
DFHCCDM

Destination
Console

DFHCC0200  applid VSAM error on the {local / global} catalog data set. VSAM return code in R15 = X'yy' RPL-FDBK=X'zz'.

Explanation
A catalog VSAM operation has produced the VSAM error given.
An exception trace, code CC 2B60 or GC 2B60 has also been made.

System action
A system dump is produced, then CICS is terminated.
This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If possible, correct the VSAM error and restart CICS. For the meaning of the return codes, refer to the Introduction to VSAM Programming.
Inform the system programmer because this indicates a possible error in CICS code. You may need further assistance from IBM to resolve this problem. See

Chapter 2. CICS messages 407
Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHCCCC

**XMEOUT parameters/Message inserts**

1. **applid**
2. Value chosen from the following options:
   - 1=local,
   - 2=global
3. **yy**
4. **zz**

**Destination**

Console

<table>
<thead>
<tr>
<th>DFHCC0201</th>
<th>VSAM ERROR ON THE LOCAL CATALOG DATA SET, VSAM RETURN CODE IN R15 = X'yy' FDBK=X'zz'.</th>
</tr>
</thead>
</table>

**Explanation**

A local catalog VSAM operation has produced the VSAM error given.

An exception trace, code CC 2B60 or GC 2B60 has also been made.

**System action**

A system dump is produced then CICS is terminated. This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

**User response**

If possible correct the VSAM error and restart CICS. For the meaning of the return codes, refer to the Introduction to VSAM Programming.

Inform the system programmer as this indicates a possible error in CICS code. You may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHCCCC

**Destination**

Console
**DFHCC0203 applid** The \{local \slash global\} catalog is full.

**Explanation**
The specified catalog data set (DFHLCD or DFHGCD) is full. There are two possible reasons for this error:

- The system is in a loop which involves calls to the catalog to write onto the catalog data set.
- Insufficient primary space was allocated for the catalog when it was defined. This is the most likely cause if this message is issued during or shortly after CICS initialization.

**System action**
If the error occurs during initialization, a system dump is produced then CICS is terminated. If the error occurs after initialization, the domain invoking the catalog services will decide what action is appropriate.

**User response**
Check for any other symptoms of looping and act accordingly.

If CICS is not looping, notify the primary space allocated for this data set. Either copy the catalog data from the old data set to the new larger data set (DFHRMUTL can be used to do this for a COLD start, otherwise use IDCAMS) and restart CICS, or perform an initial start of CICS with an empty catalog.

If CICS is looping, this indicates an error in CICS code. You might need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem on how to proceed.

**Module:** DFHCCCC

**DFHCEEnnnn messages**

**DFHCE3500** Unable to interpret keyword data. Sign-on is terminated.

**Explanation**
The keyword data supplied when invoking the sign on transaction is invalid.

**System action**
Signon terminates.

**User response**
Use the correct format to invoke the sign on transaction. The correct format is:

```
CESN USERID= userid, GROUPID= groupid, PS= password, NEWPS= new_password, LANGUAGE= language_code
```

See the CICS Supplied Transactions manual.

**Module:** DFHSNP

**XMEOUT parameters/Message inserts**

1. applid
2. Value chosen from the following options:
   - 1=local
   - 2=global

**Destination**
Console

**DFHCC0300 DFHCCUTL ERROR REPORT. ERROR (OPENING DFHLCD. | WRITING TO DFHLCD. R15 = X'yy' VSAM RPL FEEDBACK CODE = X'zz'.)**

**Explanation**
The initialization of the local catalog data set, DFHLCD, has failed for the reasons given in the resulting job output.

**System action**
Job terminates.

**User response**
For the meaning of the VSAM codes, refer to the Introduction to VSAM Programming. Correct cause of error indicated and retry.

**Module:** DFHCCUTL

**Destination**
SYSPRINT
**Destination**
Terminal End User

**DFHCE3501** Invalid keyword. Sign-on is terminated.

**Explanation**
The keyword which was entered was invalid.

**System action**
The sign on transaction terminates.

**User response**
Use a valid character keyword within the range 1-8.

**Module:**
DFHSNP

---

**Destination**
Terminal End User

**DFHCE3502** Your userid must be 1-8 characters. Sign-on is terminated.

**Explanation**
The value of the USERID keyword has less than 1 or more than 8 characters.

**System action**
Sign on terminates.

**User response**
Use a valid userid.

**Module:**
DFHSNP

---

**Destination**
Terminal End User

**DFHCE3503** Incorrect password length. Sign-on is terminated.

**Explanation**
The value of the PS keyword is incorrect. A password is between 1 and 8 characters. A password phrase is between 9 and 100 characters. Your security administrator may change the minimum or maximum password lengths.

**System action**
Signon terminates.

**User response**
Enter a password of the right length. If this still fails, check with your security administrator whether they have changed the minimum or maximum password lengths.

**Module:**
DFHSNP

---

**Destination**
Terminal End User

**DFHCE3504** Incorrect new password length. Sign-on is terminated.

**Explanation**
The value of the NEWPS keyword is incorrect. A password is between 1 and 8 characters. A password phrase is between 9 and 100 characters. Your security administrator may change the minimum or maximum password lengths.

**System action**
Signon terminates.

**User response**
Enter a password of the right length. If this still fails, check with your security administrator whether they have changed the minimum or maximum password lengths.

**Module:**
DFHSNP

---

**Destination**
Terminal End User

**DFHCE3506** Your groupid must be 1-8 characters. Sign-on is terminated.

**Explanation**
The value of the GROUPID keyword has less than 1 or more than 8 characters.

**System action**
Signon terminates.
User response
Use a valid group name.

Module:
DFHSNP

Destination
Terminal End User

DFHCE3507 Your language code must be three characters. Sign-on is terminated.

Explanation
The value of the LANGUAGE keyword is not a three-letter code.

System action
Signon terminates.

User response
Use a valid language code.

Module:
DFHSNP

Destination
Terminal End User

DFHCE3520 Please type your userid.

Explanation
The system requests a userid.

System action
None.

User response
Enter your userid.

Module:
DFHSNP

Destination
Terminal End User

DFHCE3522 CICS sign-on. Please type your userid=>

Explanation
The system requests a userid.

System action
The system waits for a response.

User response
Enter your userid.

Module:
DFHSNP

Destination
Terminal End User

DFHCE3523 Please type your password.

Explanation
The system requests a password.

System action
The system waits for a response.

User response
Enter your password.

Module:
DFHSNP

Destination
Terminal End User

DFHCE3524 Please type your password=>@@@@@@@@
Explanation
The system requests a password. @@@@@@@@@ represents a character string provided by CICS to prevent the password being seen.

System action
The system waits for a response.

User response
Enter your password.
Module: DFHSNP

Destination
Terminal End User
DFHCE3525 Your password has expired. Please type your new password.

Explanation
The system requires a new password.

System action
The system waits for a response.

User response
Enter a new password.
Module: DFHSNP

Destination
Terminal End User
DFHCE3526 Your password has expired. Please type your new password==>@@@@@@@@@@

Explanation
The system requests a new password. @@@@@@@@@ represents a character string provided by CICS to prevent the new password being seen.

System action
The system waits for a response.

User response
Enter a new password.
Module: DFHSNP

Destination
Terminal End User
DFHCE3527 Use your magnetic (OPID) card or press ENTER to cancel.

Explanation
A magnetic card is required.

System action
The system waits for an opid (magnetic) card.

User response
Supply badge or terminate transaction.
Module: DFHSNP

Destination
Terminal End User
DFHCE3528 Signon failed during SECLABEL checking.

Explanation
The signon request has failed because the external security manager (ESM) detected a critical error.

System action
The signon transaction terminates.

User response
Refer to message DFHSN1108 on the CSCS log for the information and actions necessary to resolve this problem.
Module: DFHSNP

Destination
Terminal End User
DFHCE3529 The ESM is currently not accepting signons. Please try later.
Explanation
The signon request has failed because the external security manager (ESM) was in a tranquil state. When in a tranquil state, only signons from special users are accepted.

System action
The sign on transaction terminates.

User response
The ESM has probably been put into a tranquil state to allow for ESM database maintenance. Determine whether maintenance is currently occurring and how long it will take. When maintenance is finished the tranquil state should be removed from the ESM which will allow you to sign on to CICS. If the ESM has not been put into a tranquil state then, refer to message DFHSN1108 on the CSCS log for the information and actions necessary to resolve this problem.

Module: DFHSNP

Destination
Terminal End User

DFHCE3534  Your new password is invalid. Please retype.

Explanation
The new password entered was invalid.

System action
None.

User response
Enter a valid password.

Module: DFHSNP

Destination
Terminal End User

DFHCE3534  Your new password is invalid. Please retype==>@@@@@@@@@

Explanation
The new password entered was invalid.

System action
The system waits for a response.

User response
Enter a valid password.

Module: DFHSNP

Destination
Terminal End User

DFHCE3536  Invalid OPID. Please enter a valid card or press ENTER to cancel.

Explanation
The OPID entered is invalid.

System action
The system waits for a response.

User response
Enter a valid card or press ENTER to cancel the signon.

Module: DFHSNP

Destination
Terminal End User

DFHCE3537  Language is invalid. Please retype==>

Explanation
The language code entered is invalid.

System action
The system waits for a response.

User response
Enter a valid language code.

Module: DFHSNP

Destination
Terminal End User

DFHCE3538  Language is invalid. Please retype==>
**Explanation**  
The language code entered is invalid.

**System action**  
The system waits for a response.

**User response**  
Enter a valid language code.

**Module:**  
DFHSNP

---

**Explanation**  
You have entered a new password in the new password field and you are now being prompted to reenter the same password to assure yourself of the new password data.

**System action**  
The system waits for a response.

**User response**  
Reenter the new password in the password field.

**Module:**  
DFHSNP

---

**Explanation**  
An error has been detected in an external security manager. rc is the return code from the external security manager.

**System action**  
Signon terminates.

**User response**  
For a RACF signon, rc is the return code from the RACINIT macro. See the appropriate RACF manual for details of the macro return codes. The return codes are macro specific.

**Module:**  
DFHSNP

---

**Explanation**  
The sign on transaction cannot be executed at the current terminal for one of the following reasons:

- The terminal is defined with a preset userid that cannot be changed by signing on
- The terminal is a surrogate of a terminal in another CICS region, but the sign on transaction is not executing within a session established by the CRTE transaction.

**System action**  
The sign on transaction terminates.

**User response**  
Do not use the sign on transaction at this terminal.

**Module:**

---
DFHSNP

**Destination**
Terminal End User

**DFHCE3543** You have cancelled your sign-on request. Sign-on is terminated.

**Explanation**
The user has pressed ENTER when an OPID card was requested or has entered PF3 on a 3270 terminal device.

**System action**
The sign on transaction terminates.

**User response**
Retry the sign on procedure.

**Module:**
DFHSNP

**DFHCE3544** Terminal authorization failed. Sign-on is terminated.

**Explanation**
RACF has responded to a security request with 'Terminal not authorized' and RACF response code X'30'.

**System action**
The sign on transaction terminates.

**User response**
Inform the systems programmer, who should refer to message DFHSN1118 on the CSCS log for the relevant information and actions necessary to resolve this problem.

**Module:**
DFHSNP

**DFHCE3546** Your signon {userid | group access} has been revoked. Signon is terminated.

**Explanation**
The response from RACF indicates that either the userid that you use to signon to CICS, or your access to the RACF group that contains it, has been revoked by the system.

**System action**
The signon transaction terminates.

**User response**
Contact your RACF administrator, who can re-authorize the revoked user ID.

**Module:**
DFHSNP

**DFHCE3547** Security is not active. Sign-on cannot be performed.

**Explanation**
A request to sign on to the CICS system was rejected because the CICS security system was not active.

A user can only sign on to CICS when CICS security is active.
The CICS security system is activated using the system initialization parameter SEC=YES.

**System action**
The sign on transaction terminates.

**User response**
None.

**Module:**
DFHSNP

**Destination**
Terminal End User

__DFHCE3548__

date  time  applid

Critical error has occurred in DFHSNP. Codes: 1,2,3,4,5.

**Explanation**
The sign-on program, DFHSNP, is abnormally terminated due to a critical error.
The five codes indicate the cause of the error and where the error occurred.

Code 1 is an abend code. It can be one of ASNA, ASNB or ASNC.

Codes 2, 3, 4 and 5 are codes which help IBM to identify the source of the error. They are id_location, EIBFRCODE, EIBRESP and EIBRESP2.

**System action**

DFHSNP is abnormally terminated with a transaction dump. Message DFHAC2206 is normally issued, but if no terminal is associated with the task, DFHAC2236 may be issued instead.

**User response**
Refer to message DFHAC2206 or DFHAC2236. If DFHAC2236 has been issued, the absence of a terminal is probably the reason for the abend.
Use the abend code given in the message to determine the reason for the error and the course of action to take. This enables you to determine whether the abend was caused by user error or by an error in CICS code. (An error in CICS code is signalled by abend code ASNA.)
If you suspect an error in CICS code, you need further assistance from IBM to resolve the problem. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHSNP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. 1
5. 2
6. 3
7. 4
8. 5

**Destination**
CSMT

__DFHCE3549__

Sign-on is complete (Language language).

**Explanation**
The user has successfully signed on to the CICS system.

**System action**

CICS is ready to receive user transactions.

**User response**
Use terminal as required for CICS transactions.

**Module:**
DFHSNP

**Destination**
Terminal End User

__DFHCE3550__

Sign-off option must be LOGOFF or GOODNIGHT. Sign-off is ignored.

**Explanation**

An option other than LOGOFF|GOODNIGHT was detected.

**System action**

The sign-off transaction terminates.

**User response**
Specify the correct option when invoking sign-off.
Module: DFHSFP

Destination
Terminal End User

DFHCE3551  date time applid termid DFHSNP has detected an invalid COMMAREA. It has been ignored. The data is lost.

Explanation
While processing a CESN transaction DFHSNP was passed a commarea that was not its own. This may be the result of an application issuing the EXEC CICS RETURN TRANSID(...) COMMAREA(...) with a transid of nulls (X'00000000'). This could be because the pointer to the transid is incorrectly set up or may be part of the system design.

System action
DFHSNP continues with CESN transaction processing.

User response
Investigate whether this message is issued validly as part of the system design, in which case the message can be ignored, or is an error. Investigate the previous transaction at this terminal.

Module: DFHSNP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid

Destination
CSMT

DFHCE3554  You cannot mix passwords and password phrases in a change request.

Explanation
You cannot authorize a new password with a password phrase or a new password phrase with a password.

System action
None.

User response
Use a password to change a password, or a password phrase to change a password phrase.

Module: DFHSNP

Destination
Terminal End User

DFHCE3560  Sign-off is not allowed at this terminal. Sign-off is ignored.

Explanation
The sign-off transaction cannot be executed at the current terminal for one of the following reasons:
• The terminal is defined with a preset userid that cannot be changed by signing off
• The terminal is a surrogate of a terminal in another CICS region, but the sign-off transaction is not executing within a session established by the CRTE transaction.

System action
The sign-off transaction terminates.

User response
Do not use the sign-off transaction at this terminal.

Module: DFHSFP

Destination
Terminal End User

DFHCE3570  Invalid credentials entered.

Explanation
An invalid userid or password or groupid was entered. Signon requires valid values.

System action
The system waits for a response.

User response
Enter valid credentials.
**Module:** DFHSNP

**Destination**
Terminal End User

**DFHCE3571**  Your groupid is invalid. Please retype=>

**Explanation**
Your group identifier is invalid.
The system requests a group identifier.

**System action**
The system waits for a response.

**User response**
Enter a valid group identifier.

**Module:** DFHSNP

**Destination**
Terminal End User

**DFHCE3587**  You cannot signon at this terminal at this time.

**Explanation**
You cannot sign on at this terminal at this time. The SNSCOPE initialization parameter disallows signon to more than one terminal at a time. An internal failure during SNSCOPE checking means that CICS is unable to confirm if the user is already signed on elsewhere. The failure has occurred because the limit of concurrent MVS ENQ requests has been reached.

**System action**
The sign on transaction terminates.

**User response**
Sign off from the other terminal before you attempt to sign on again.

**Module:** DFHSNP

**Destination**
Terminal End User

**DFHCE3589**  The external security manager is inactive. Signon cannot be performed.

**Explanation**
You cannot sign on because the external security manager is not active.

**System action**
The sign on transaction terminates.

**User response**
Wait until the external security manager has been reactivated before attempting to sign on again.

**Module:** DFHSNP

**Destination**
Terminal End User

**DFHCE3590**  Sign-off is complete.
Explanation
If the user issued a CESN to sign on to the system, then sign-off has been successful. If the user was not signed on, and CICS security was active (SEC=YES system initialization parameter) then message DFHSN1213 is written to the CSCS log to indicate that the user has logged off but has not been allowed to sign off.

System action
Other processing continues.

User response
Use the terminal as required for CICS transactions.

Module:
DFHSFP

Destination
Terminal End User

DFHCE3591 Sign-off is complete. LOGOFF option is invalid when using CRTE.

Explanation
The terminal is now signed off. The LOGOFF option which was specified has been ignored as it is invalid when using CRTE.

System action
The CICS system, to which the user has connected via CRTE, has been signed off.

User response
Do not use the GOODNIGHT option when signing off via CRTE.

Module:
DFHSFP

Destination
Terminal End User

DFHCE3598 date time applid Critical error has occurred in DFHSFP. Codes: 1,2,3,4,5.

Explanation
The signoff program, DFHSFP, will abnormally terminate due to a critical error.

The five codes indicate the cause of the error and where the error occurred.

Code 1 is an abend code. It can be ASFA, ASFB or ASFC.

Codes 2, 3, 4 and 5 are codes which help IBM to identify the source of the error. They are id_location (in hexadecimal), EIBFRCODE, EIBRESP and EIBRESP2.

System action
DFHSFP is abnormally terminated with a transaction dump. Message DFHAC2206 is normally issued, but if no terminal is associated with the task, DFHAC2236 may be issued instead.

User response
Refer to message DFHAC2206 or DFHAC2236. If DFHAC2236 has been issued, the absence of a terminal is probably the reason for the abend.

Use the abend code given in the message to determine the reason for the error and the course of action to take. This will enable you to determine whether the abend was caused by user error or by an error in CICS code. (An error in CICS code is signalled by abend code ASFA.)

If you suspect an error in CICS code, you need further assistance from IBM to resolve the problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
**DFHSFP**

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. 1

**DFHCFnnnn messages**

<table>
<thead>
<tr>
<th>Message Code</th>
<th>Message Text</th>
<th>Explanation</th>
<th>System action</th>
<th>User response</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFHCF0101I</td>
<td>CF data table server initialization is in progress.</td>
<td>The coupling facility data table server program has started execution.</td>
<td>Initialization continues.</td>
<td>None.</td>
</tr>
<tr>
<td>DFHCF0102I</td>
<td>CF data table server for pool poolname is now active.</td>
<td>The coupling facility data table server for the named pool has completed initialization and is now ready to accept connections.</td>
<td></td>
<td>None.</td>
</tr>
<tr>
<td>DFHCF0103</td>
<td>CF data table server initialization failed because the POOLNAME parameter was not specified.</td>
<td>The coupling facility data table server program needs to know the name of the associated coupling facility data table pool in order to complete initialization, but no pool name was specified in the SYSIN or PARM field parameters.</td>
<td>The server is terminated.</td>
<td>Ensure that the parameter POOLNAME= name is specified either in the SYSIN parameters or in the PARM field of the JCL for the server.</td>
</tr>
<tr>
<td>DFHCF0104</td>
<td>CF data table server initialization failed because program DFHCFMN is not APF authorized.</td>
<td>The coupling facility data table server main program DFHCFMN cannot complete initialization because it is not running with APF authorization.</td>
<td>The server is terminated.</td>
<td></td>
</tr>
</tbody>
</table>
Ensure that the coupling facility data table server program DFHCFMN is loaded from an APF authorized library and has been link-edited with the option AC(1).

**Module:** DFHCFMN

**Destination**
Console and SYSPRINT

**DFHCF0105** CF data table server initialization failed because program DFHCFMN is not licensed for use.

**Explanation**
The coupling facility data table server main program DFHCFMN cannot complete initialization because the validate license check failed.

**System action**
The server is terminated.

**User response**
Ensure that the coupling facility data table server program DFHCFMN is licensed for use by adding the required licensing dataset to the STEPLIB DD statement.

**Module:** DFHCFVL

**Destination**
Console and SYSPRINT

**DFHCF0111** CF data table server for pool poolname is terminating.

**Explanation**
The coupling facility data table server has started termination processing, so no further requests will be processed.

**System action**
Termination continues.

**User response**
None.

**Module:** DFHCFMN

**Destination**
Console and SYSPRINT

**DFHCF0113** CF data table server completion code is cmpcode, reason code rsncode.

**Explanation**
The coupling facility data table server has terminated after intercepting an abnormal termination (ABEND) request. If the completion code is a system completion code, it is shown as three hexadecimal digits, otherwise it is shown as four decimal digits for a user completion code. Any associated reason code is shown as a four byte hexadecimal value, which will be zero if no reason code was provided.

**System action**
The coupling facility data table server program returns control (via the AXM termination routines) to MVS for job step termination.

**User response**
None.
Automatic restart support is not available because &SYSCLONE may not be unique within the sysplex.

Explanation
The server attempted to generate a default ARM element identifier to use for automatic restart registration, using the one or two character &SYSCLONE value to identify the MVS system. Normally, MVS verifies during start-up that &SYSCLONE is unique within the sysplex. However, the server is running on a level of MVS where this check is optional and has not been performed, so the server is unable to generate a unique element identifier.

System action
The server is terminated.

User response
Servers should not normally be run on a level of MVS which does not enforce unique &SYSCLONE values. However, the problem can be bypassed by specifying an ARM element name explicitly on the server ARMELEMENT parameter.

Module:
DFHCFRS

Explanation
A request to the MVS automatic restart manager (ARM) gave an unexpected return code. The return code and reason code are shown in hexadecimal notation.

System action
The server is terminated.

User response
See the IXCARM macro in z/OS MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code.

Module:
DFHCFRS

Explanation
The coupling facility data table server parameter processing routine is interpreting the specified parameter string. The first word gives the type of parameter (SYSIN/PARM/SET/DISPLAY/PRINT) and the rest is the specified parameters optionally followed by descriptive comment text after one or more spaces. If the parameters start with an asterisk or a space, the whole line is taken as descriptive comments.
**System action**

Any specified parameters will be processed.

**User response**

None.

**Module:**

DFHCFPR

**Destination**

SYSPRINT

**DFHCF0202**

*Unknown parameter keyword: keyword*

**Explanation**

This parameter keyword did not match any of the defined parameter keywords for the coupling facility data table server.

**System action**

Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**

Correct the parameter keyword (or remove the incorrect parameter) and reenter the command or restart the server.

**Module:**

DFHCFPR

**Destination**

Console and SYSPRINT

**DFHCF0203**

*Value value for parameter keyword is incorrect. It must be a name of up to maxlen characters.*

**Explanation**

The value of this parameter should have been specified as a name containing not more than the indicated number of characters.

**System action**

Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**

Correct the parameter value and reenter the command or restart the server.

**Module:**

DFHCFPR

**Destination**

Console and SYSPRINT

**DFHCF0204**

*Value value for parameter keyword is incorrect. It must be a decimal number.*

**Explanation**

The value of this coupling facility data table server parameter should have been specified as a decimal number but was not in a valid format. (Numeric parameters can optionally be followed by the letter K, M, G or T to denote the appropriate powers of 1024).

**System action**

Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**

Correct the parameter value and reenter the command or restart the server.

**Module:**

DFHCFPR

**Destination**

Console and SYSPRINT

**DFHCF0205**

*Value value for parameter keyword is greater than the maximum allowed value maximum.*

**Explanation**

The value of this coupling facility data table server parameter exceeded the maximum allowed value, given in the message. This message also occurs if the numeric part of a decimal value exceeds the maximum
unsigned 32-bit integer (4294967295) even if a larger value is allowed to be specified by using a suffix "K", "M", "G" or "T".

**System action**

Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**

Correct the parameter value and reenter the command or restart the server.

**Module:** DFHCFPR

**Destination**

Console and SYSPRINT

**DFHCF0206** Value value for parameter keyword is less than the minimum allowed value minimum.

**Explanation**

The value of this coupling facility data table server parameter was less than the minimum allowed value, given in the message.

**System action**

Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**

Correct the parameter value and reenter the command or restart the server.

**Module:** DFHCFPR

**Destination**

Console and SYSPRINT

**DFHCF0208** Parameter keyword keyword is not supported for command.

**Explanation**

A coupling facility data table server parameter keyword was specified in a context where it is not valid, such as an attempt to SET a parameter which can only be specified at initialization time, or to specify at initialization time a parameter which is only valid on DISPLAY.

**System action**

Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**

If the error occurred at initialization, remove the incorrect parameter and restart the server. If it occurred on a server command, check that the command and parameter were correctly entered.

**Module:** DFHCFPR

**Destination**

Console and SYSPRINT

**DFHCF0207** Value value for parameter keyword is incorrect. It should be a time hh:mm:ss or hh:mm or a number of seconds.
Destination
Console and SYSPRINT

DFHCF0209  Parameter text contains invalid character: text

Explanation
The coupling facility data table server parameter processing routine found some unexpected text when attempting to process parameters.

System action
Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User response
Correct the parameters (or remove the incorrect parameter) and reenter the command or restart the server.

Module:
DFHCFPR

Destination
Console and SYSPRINT

DFHCF0210  Parameter keyword keyword should not have a value for command.

Explanation
A coupling facility data table server parameter keyword was specified in the form "keyword=value" in a context where it was not expected, for example on a DISPLAY command.

System action
Processing of the current line of parameters is terminated.

User response
Reenter the command without specifying a value for the parameter to be displayed.

Module:
DFHCFPR

Destination
Console and SYSPRINT

DFHCF0211I  Parameter value: keyword=value

Explanation
This message is issued to show the current value of a coupling facility data table server parameter setting in response to a DISPLAY or PRINT command.

System action
Processing continues normally.

User response
None.

Module:
DFHCFPR

Destination
Console and SYSPRINT

DFHCF0212  Value value for parameter keyword is incorrect. It must be one of validlist.

Explanation
The value of this coupling facility data table server parameter was not recognized. It should have been specified as one of the indicated list of values.

System action
Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User response
Correct the parameter value and reenter the command or restart the server.

Module:
DFHCFPR

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DFHCF0213 Value for parameter keyword is missing. The correct form is keyword=value.

**Explanation**
A parameter keyword was specified without an associated parameter value on a coupling facility data table server SET command or in a SYSIN or PARM parameter string. Note that the only character which should appear between the parameter keyword and its intended value is the equals sign, without any extra spaces.

**System action**
Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**
Reenter the parameter specification in the correct form keyword=value.

**Module:** DFHCFPR

**Destination**
Console and SYSPRINT

DFHCF0214 Value value for parameter keyword is incorrect. Pattern matching is not supported in this context.

**Explanation**
A parameter value containing one of the pattern matching (wild card) characters '*', '%' or '?' was specified in a context where only a single identifier is supported.

**System action**
Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**
Correct the parameter value and reenter the command.

**Module:** DFHCFPR

**Destination**
Console and SYSPRINT

DFHCF0215 Value value for applid.uowid parameter keyword is incorrect. The APPLID part should be a name of up to 8 characters.

**Explanation**
The value of this coupling facility data table server parameter did not conform to the correct syntax for the APPLID part of a unit of work identifier.

**System action**
Processing of the current line of parameters is terminated.

**User response**
Correct the parameter value and reenter the command.

**Module:** DFHCFPR

**Destination**
Console and SYSPRINT

DFHCF0216 Value value for applid.uowid parameter keyword is incorrect. The UOWID part should be 16 hexadecimal digits or '*'.

**Explanation**
The value of this coupling facility data table server parameter did not conform to the correct syntax for a unit of work identifier.

**System action**
Processing of the current line of parameters is terminated.

**User response**
Correct the parameter value and reenter the command.

**Module:** DFHCFPR
Parameter keyword **keyword** requires a table name. It should be preceded by TABLE=**name** in the same command line.

**Explanation**
This coupling facility data table server parameter can only be set for a specific table, but it was not preceded by a TABLE=**name** parameter in the same command line.

**System action**
Processing of the current line of parameters is terminated.

**User response**
Insert the parameter TABLE=**name** before the specified keyword and reenter the command.

**Module:** DFHCFPR

**Explanation**
A coupling facility data table server parameter command was issued including a parameter of the form TABLE=**name** to select a specific table, but it was not followed by any table-related parameter within the same command.

**System action**
The table name parameter is ignored.

**User response**
If a table-related parameter was to be set, ensure that it is included on the same SET command as the table name.

**Module:** DFHCFPR

**Explanation**
A coupling facility data table server command was issued which had no valid parameters on it but was otherwise syntactically valid. The command has had no effect.

**System action**
Processing continues normally.

**User response**
Ensure that the command was entered correctly.

**Module:** DFHCFOP

**Explanation**
A coupling facility data table server operator command has been issued via the MVS MODIFY or STOP command. This message identifies the console name (or TSO userid) from which the command was issued and the text of the command.

**System action**
Processing continues.

**User response**
None.

**Module:** DFHCFOP

**Explanation**
A coupling facility data table server operator command has been issued via the MVS MODIFY or STOP command. This message identifies the console name (or TSO userid) from which the command was issued and the text of the command.

**System action**
Processing continues.

**User response**
None.

**Module:** DFHCFOP
Explanation
A coupling facility data table server command has been processed successfully.

System action
Processing continues.

User response
None.

Module:
DFHCFOP

Destination
Console and SYSPRINT

DFHCF0304I STOP command is waiting for connections to be closed. Number of active connections = connections.

Explanation
A coupling facility data table server STOP command has been issued (either via an MVS STOP command or via an MVS MODIFY command with the text STOP) but there are still active connections to the server, so the STOP command has not yet taken effect.

System action
The server rejects any further attempts to establish new connections, but continues processing requests for existing connections. Each time a connection is terminated, this message will be repeated as long as there are more active connections.

User response
Further information about the connections which are still active may be obtained using the command DISPLAY CONNECTIONS.

If the server needs to be shut down without waiting for connections to be closed, issue the server CANCEL command. Note that this will immediately terminate any active connections, causing any further requests for that server to be given a SYSIDERR indication. (The MVS CANCEL command can also be used, but should preferably be avoided because it will prevent the server from producing its normal closedown statistics and reports).

Note that if a CICS region is abnormally terminated while server connect or disconnect processing is in progress, or is terminated without going through end of task processing (for example using the FORCE command) there is a slight chance that the server will not be notified that the connection has been terminated. In this case the server will not be able to be closed down with the server STOP command, but only with the server CANCEL command.

Module:
DFHCFOP

Destination
Console and SYSPRINT

DFHCF0305I STOP command has been processed.

Explanation
Processing of a coupling facility data table server STOP command has now been successfully completed. This means that there are no longer any active connections and the server is ready to close down.

System action
The coupling facility data table server starts termination processing.

User response
None.

Module:
DFHCFOP

Destination
Console and SYSPRINT

DFHCF0306 CF data table server does not support this command: command.

Explanation
An operator command was addressed to the coupling facility data table server using the MVS MODIFY command, but the first word of the MODIFY parameter text is not a recognized server command (SET, DISPLAY, PRINT, STOP, CANCEL or an accepted abbreviation for one of these).

System action
The command is ignored.

User response
Correct and reenter the command.
DFHC0307I  CANCEL parm command has been processed. Number of active connections = connections.

Explanation
A coupling facility data table server CANCEL command has been issued, either from an operator console or internally by the server in response to a severe error such as coupling facility failure. This message includes any restart parameter specified on the command and the number of active connections which may be affected by this command.

System action
The server terminates immediately, without waiting to close connections.

User response
None.

Module: DFHCFOP

DFHC0308  CF data table server does not support CICS commands. To close it down, you can use the STOP command.

Explanation
An operator command which appears to be a CICS command (a four-character transaction code of the form 'CExx') was addressed to the coupling facility data table server using the MVS MODIFY command.

System action
The command is ignored.

User response
Correct and reenter the command.

Module: DFHCFOP

DFHC0309  Parameter parm on CANCEL command is incorrect. The only valid parameters are RESTART=YES or RESTART=NO.

Explanation
A coupling facility data table server CANCEL command was issued with a parameter which did not match the valid parameter keywords.

System action
The command is ignored.

User response
Correct and reenter the command.

Module: DFHCFOP

DFHC0310  Parameter parm on STOP command is incorrect. No parameters should be specified.

Explanation
A coupling facility data table server STOP command was issued with parameters, but the STOP command does not support any parameters.

System action
The command is ignored.

User response
Correct and reenter the command.

Module: DFHCFOP
**Explanation**

Integrity checks during coupling facility data table request processing found that data or control information in the pool list structure was in a state that should not be possible in normal processing. The reason codes are based on the response codes returned by the internal coupling facility interface.

- **Reason codes:**

  2  
  Entry exceeds maximum data length.

  3  
  Entry not found.

  4  
  Wrong version.

  5  
  Wrong list authority.

  6  
  Maximum number of entries in list reached.

  7  
  No space left in structure.

All of these conditions can also occur in normal processing. This message is only issued if the condition occurs in a case where it should not occur, or when the normal retry action following the condition cannot be performed. For example, a wrong version response from the coupling facility interface normally simply indicates that an entry has changed, causing the entry to be read again, and this is only treated as a pool state error if the data or control information in the changed entry is not consistent with the expected state of the record.

**System action**

The request is terminated with a pool state error exception.

**User response**

This indicates that some data in the pool has become inconsistent or corrupted. There is no known way that this can happen unless a program other than the coupling facility data table server is used to access the pool. If this error occurs for data records in a particular table, it may be necessary to delete the table to clear up the problem. If it occurs for other control information, it may be necessary to recreate the pool.

**Module:**

DFHCFRQ

**Destination**

Console and SYSPRINT

**Explanation**

The maximum number of records allowed to be stored in the specified table has been successfully modified in response to a coupling facility data table server SET TABLE command with the MAXRECS parameter. The previous maximum number is shown, and the current number of records. The new or previous maximum number may also be shown as NOLIMIT for the special value indicating that no limit applies. (For a recoverable table with uncommitted updates, this number includes the original versions of changed records, as these are retained until syncpoint time to allow for possible backout).

**System action**

Processing continues using the new value for the maximum number of records. If the current number of records already exceeds this value, no further records can be added (or, for a recoverable table, updated) until enough records have been deleted to bring the current number below the limit.

**User response**

None.

**Module:**

DFHCFOC

**Destination**

Console and SYSPRINT

**Explanation**

The table specified on a coupling facility data table server SET TABLE command was not found in the pool.
**System action**  
The command is ignored.

**User response**  
Ensure that the table name was entered correctly, and that the command was addressed to the correct pool server.

**Module:**  
DFHCFOC

**Destination**  
Console and SYSPRINT

**DFHCF0333**  
Pool state error, reason code reason, processing SET command for table table.

**Explanation**  
The status of the table specified on a coupling facility data table server SET TABLE command could not be modified because the control information in the list structure was in a state that should not be possible in normal processing. The reason codes are based on the response codes returned by the internal coupling facility interface.

- **Reason codes:**
  2  
  Entry exceeds maximum data length.
  3  
  Entry not found.
  4  
  Wrong version.
  5  
  Wrong list authority.
  6  
  Limit number of entries in list reached.
  7  
  No space left in structure.

All of these conditions can also occur in normal processing. This message is only issued if the condition occurs in a case where it should not occur, or when the normal retry action following the condition cannot be performed.

**System action**  
The command is ignored.

**User response**  
This indicates that some data in the pool has become inconsistent or corrupted. There is no known way that this can happen unless a program other than the coupling facility data table server is used to access the pool. If this error occurs for attempts to modify a particular table, it may be necessary to delete the table to clear up the problem. If it occurs for other control information, it may be necessary to recreate the pool.

**Module:**  
DFHCFOC

**Destination**  
Console and SYSPRINT

**DFHCF0334**  
Table table status could not be modified, CF access error.

**Explanation**  
During processing of a coupling facility data table server SET TABLE command, an unexpected error response was received. This message is preceded by message DFHCF0441 giving the details of the coupling facility access error.

**System action**  
The command is ignored.

**User response**  
Check the system log for a preceding DFHCF0441 message and see the explanation of that message.

**Module:**  
DFHCFOC

**Destination**  
Console and SYSPRINT

**DFHCF0335I**  
Table table is now marked as available.

**Explanation**  
The state of the specified table has been changed from unavailable to available in response to a coupling facility data table server SET TABLE command with the option AVAILABLE=YES.

**System action**  
Processing continues. New OPEN requests for the table will now be allowed.
Module: DFHCFOC
Destination: Console and SYSPRINT

DFHCF0336I Table table is now marked as unavailable.

Explanation
The state of the specified table has been changed from available to unavailable in response to a coupling facility data table server SET TABLE command with the option AVAILABLE=NO.

System action
Processing continues. New OPEN requests for the table will be rejected with an indication that the table is unavailable.

User response
None.

Module: DFHCFOC
Destination: Console and SYSPRINT

DFHCF0337I Table table was already marked as available.

Explanation
This is a response to the coupling facility data table server SET TABLE command with the parameter AVAILABLE=YES when the table is already marked as available.

System action
Processing continues.

User response
None.

Module: DFHCFOC
Destination: Console and SYSPRINT

DFHCF0338I Table table was already marked as unavailable.

Explanation
This is a response to the coupling facility data table server SET TABLE command with the parameter AVAILABLE=NO when the table is already marked as unavailable.

System action
Processing continues.

User response
None.

Module: DFHCFOC
Destination: Console and SYSPRINT

DFHCF0341I Server request statistics for table table:

Explanation
This message gives table access statistics for the current coupling facility data table server, listing the total number of requests of each type handled since the previous statistics reset. It is issued in response to a DISPLAY or PRINT command which includes the TABLESTATS parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output. Note that this message is suppressed if all statistics are zero.

The detailed message layout is as follows:

<table>
<thead>
<tr>
<th>Table:</th>
<th>Open</th>
<th>Close</th>
<th>Set Attr</th>
<th>Delete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stats</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td>Record:</td>
<td>Point</td>
<td>Highest</td>
<td>Read</td>
<td>Read Del</td>
</tr>
<tr>
<td>Unlock</td>
<td>Load</td>
<td>Write</td>
<td>Rewrite</td>
<td></td>
</tr>
<tr>
<td>Delete</td>
<td>Del Mult</td>
<td>Del</td>
<td>n</td>
<td></td>
</tr>
</tbody>
</table>
User response

The statistics are described in detail in the DFHCFS7D data area. The individual fields have the following meanings:

- Table requests:
  - **Open**
    - Number of successful OPEN requests for the table
  - **Close**
    - Number of successful CLOSE requests for the table
  - **Set Attr**
    - Number of times new table status was set
  - **Delete**
    - Number of times the table of that name was deleted
  - **Extract**
    - Number of times table access statistics were extracted

- Record requests:
  - **Point**
    - Number of POINT requests
  - **Highest**
    - Number of requests for current highest key
  - **Read**
    - Number of READ requests (including those for UPDATE)
  - **Read Del**
    - Number of combined READ and DELETE requests
  - **Unlock**
    - Number of UNLOCK requests
  - **Loads**
    - Number of records written by initial load requests
  - **Write**
    - Number of WRITE requests for new records
  - **Rewrite**
    - Number of REWRITE requests
  - **Delete**
    - Number of DELETE requests

Del Mult

Number of multiple (generic) delete requests

The coupling facility architecture supports some options and types of request such as combined READ and DELETE which are not currently supported by CICS File Control, but the server supports them for completeness. Server request counts for such options and request types are always zero.

Module:

DFHCFCN

Destination

Console and SYSPRINT

DFHCF0342I Server request statistics for all tables:

Explanation

This message gives overall request statistics for the current coupling facility data table server, listing the total number of requests of each type handled since the previous statistics reset. It is issued in response to a DISPLAY or PRINT command which includes the TABLESTATS parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows:

<table>
<thead>
<tr>
<th>Table:</th>
<th>Open</th>
<th>Close</th>
<th>Set Attr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delete</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stats</td>
<td>Inquire</td>
<td></td>
</tr>
<tr>
<td></td>
<td>n</td>
<td>n</td>
<td></td>
</tr>
<tr>
<td>Record:</td>
<td>Point</td>
<td>Highest</td>
<td>Read</td>
</tr>
<tr>
<td>Del</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unlock</td>
<td>Load</td>
<td>Write</td>
</tr>
<tr>
<td>Rewrite</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Delete</td>
<td>Del Mult</td>
<td></td>
</tr>
<tr>
<td>UOW:</td>
<td>Prepare</td>
<td>Retain</td>
<td>Commit</td>
</tr>
<tr>
<td></td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inquire</td>
<td>Restart</td>
<td></td>
</tr>
<tr>
<td></td>
<td>n</td>
<td>n</td>
<td></td>
</tr>
</tbody>
</table>

System action

Processing continues.
User response
The statistics are described in detail in the DFHCF8S8D data area. The individual fields have the following meanings:

- Table requests:
  - **Open**: Number of successful OPEN requests for the table
  - **Close**: Number of successful CLOSE requests for the table
  - **Set Attr**: Number of times new table status was set
  - **Delete**: Number of times the table of that name was deleted
  - **Extract**: Number of times table access statistics were extracted
  - **Inquire**: Number of inquire table requests

- Record requests:
  - **Point**: Number of POINT requests
  - **Highest**: Number of requests for current highest key
  - **Read**: Number of READ requests (including those for UPDATE)
  - **Read Del**: Number of combined READ and DELETE requests
  - **Unlock**: Number of UNLOCK requests
  - **Loads**: Number of records written by initial load requests
  - **Write**: Number of WRITE requests for new records
  - **Rewrite**: Number of REWRITE requests

- UOW requests:
  - **Prepare**: Number of units of work prepared
  - **Retain**: Number of units of work whose locks were retained
  - **Commit**: Number of units of work committed
  - **Backout**: Number of units of work backed out
  - **Inquire**: Number of unit of work inquire requests
  - **Restart**: Number of times recoverable connections were restarted

The coupling facility architecture supports some options and types of request such as combined READ and DELETE which are not currently supported by CICS File Control, but the server supports them for completeness. Server request counts for such options and request types are always zero.

**Module:**
DFHCFCN

**Destination**
Console and SYSPRINT

**DFHCF0343I** The number of recently accessed tables matching table is number.

**Explanation**
This gives the number of tables matching the specified name expression which were accessed via this coupling facility data table server within the current statistics interval. This is shown at the end of the response to a `DISPLAY TABLESTATS= name` command, following any DFHCF0341I messages for matching tables and a DFHCF0342I message if all tables were selected.

**System action**
Processing continues.
User response
None.

Module: DFHCFCN

Destination
Console and SYSPRINT

DFHCF0351I Connection: Job jobname Applid applid Idle idletime

Explanation
This describes a single connection from a CICS region to the coupling facility data table server, in response to the server command DISPLAY CONNECTIONS or PRINT CONNECTIONS. The information shows the job name, the generic APPLID and the time in hours, minutes and seconds since the most recent table request or inquire call was issued using the connection.

System action
A message in this form is issued for each active connection to the current server, then message DFHCF0352I is issued to show the total number of active connections.

User response
None.

Module: DFHCFCN

Destination
Console and SYSPRINT

DFHCF0352I Total connections to this server: connections.

Explanation
This describes the total number of active connections from CICS regions to the coupling facility data table server, in response to the server command DISPLAY CONNECTIONS or PRINT CONNECTIONS.

System action
Processing continues.

User response
None.

Module: DFHCFCN

Destination
Console and SYSPRINT

DFHCF0361I Table names: table1 table2 table3 table4 table5

Explanation
This message lists up to five table names in response to the coupling facility data table server command DISPLAY TABLES or PRINT TABLES.

System action
This message is issued as many times as is necessary to list all current table names, then message DFHCF0362I is issued to show the total number of tables.

User response
None.

Module: DFHCFIQ

Destination
Console and SYSPRINT

DFHCF0362I The total number of tables in the pool is tables.

Explanation
This describes the total number of tables within the pool, in response to the coupling facility data table server command DISPLAY (or PRINT) TABLES or TABLEUSERS.

System action
Processing continues.

User response
None.

Module: DFHCFIQ

Destination
Console and SYSPRINT

DFHCF0363I Details for table table:
Explanation
This message shows table details in response to the coupling facility data table server command `DISPLAY TABLE=` name or `PRINT TABLE=` name.

The detailed message layout is as follows:

<table>
<thead>
<tr>
<th>Attributes: Recsize Keylength Max recs</th>
<th>Upd Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>n x n</td>
<td>n</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Init Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>x</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Status: Available Open mode Access Sharing</th>
</tr>
</thead>
<tbody>
<tr>
<td>x x x</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Loaded</th>
</tr>
</thead>
<tbody>
<tr>
<td>x</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Statistics: Users Servers Opens Records</th>
</tr>
</thead>
<tbody>
<tr>
<td>n n n</td>
</tr>
</tbody>
</table>

System action
Processing continues.

User response
The individual fields have the following meanings:

- **Attributes:**
  - **Recsize**
    - Record size specified when table was created.
  - **Keylength**
    - Key length specified when table was created.
  - **Max recs**
    - Indicates the current limit value if any which has been set on the number of records in the table, or 'NO' if there is no current limit value.
  - **Upd model**
    - Indicates the update model being used: 'CONT' or 'CONT+' for the contention model, 'LOCK' for the non-recoverable locking model or 'RECOV' for the recoverable locking model. For a contention model table where the maximum record size is 63 or less, this usually shows 'CONT+', which indicates that access has been further optimized by storing the record data in the coupling facility entry adjunct area, instead of using separate data elements.
  - **Init Load**
    - Indicates whether initial load was required: 'YES' or 'NO'.

- **Status:**
  - **Available**
    - Indicates whether new opens are currently allowed: 'YES' or 'NO'.
  - **Open mode**
    - Indicates whether the table is open for read/write access, open for read-only access or not open: 'R/W', 'R/O' or 'NONE'.
  - **Access**
    - Indicates whether the table is currently open for exclusive access, or otherwise indicates shared: 'EXCL' or 'SHR'.
  - **Sharing**
    - Indicates what level of shared access is currently allowed for the table, 'R/W', 'R/O' or 'NONE'.
  - **Loaded**
    - Indicates 'YES' if the table has been loaded or if loading is not required, otherwise 'NO'.

- **Statistics**
  - **Users**
    - Indicates the current number of users of this table, which is normally the number of CICS regions that currently have it open. It is also possible for a CICS region to have the same table open more than once at a time using different file names.
  - **Servers**
    - Indicates the number of server regions that currently have the table open internally for recoverable access. For a non-recoverable table this is zero. For a recoverable table, this is normally the same as the number of CICS regions which have currently have the table open, but when there are unresolved recoverable changes a server may have the table open internally even when the CICS region has not explicitly opened it, or has explicitly closed it.
  - **Opens**
    - Indicates the total number of opens issued for this table since it was created.
  - **Records**
    - Indicates the current number of records in the table.

Module:
DFHCFIQ
No table was found matching table.

A table name specified on the coupling facility data table server command DISPLAY (or PRINT) TABLE= name or TABLEUSERS= name did not match any existing table in the pool.

The command is ignored.

Ensure that the table name was entered correctly, and that the command was addressed to the correct pool server.

This message lists the names (normally the CICS APPLIDs) of up to four regions which are currently using the named coupling facility data table, in response to the coupling facility data table server command DISPLAY (or PRINT) TABLEUSERS. A region is considered to be using a table if it has one or more files open for the table, or if it has one or more unresolved units of work which have made recoverable updates to the table.

This message is issued as many times as is necessary to list all regions which are currently using the table (sorted by name). If one of the regions was in the process of loading the table, message DFHCF0367I is issued to identify that region. Finally, message DFHCF0368I is issued to show the total number of users.

None.

This indicates the number of matching tables within the pool for which information was displayed in response to the coupling facility data table server command DISPLAY (or PRINT) TABLES= name or TABLEUSERS= name where the table name contained one or more wild card characters.

The command is ignored.

Ensure that the table name was entered correctly, and that the command was addressed to the correct pool server.

If a table specified on the coupling facility data table server command DISPLAY (or PRINT) TABLEUSERS is currently open for loading, this message is issued to identify the name (normally the CICS APPLID) of the region which is loading it. This name also appears in the list of regions using the table.

None.

None.
DFHCF0368I The number of regions using table table is users.

Explanation
This indicates the total number of regions which are currently using the table specified on the coupling facility data table server command DISPLAY (or PRINT) TABLEUSERS.

System action
Processing continues.

User response
None.

Module:
DFHCFIQ

Destination
Console and SYSPRINT

DFHCF0371I Table table has now been deleted.

Explanation
The specified table was successfully deleted in response to a coupling facility data table server DELETE TABLE= name command.

System action
Processing continues.

User response
None.

Module:
DFHCFOC

Destination
Console and SYSPRINT

DFHCF0372I Table table was not found.

Explanation
The table specified on a coupling facility data table server DELETE TABLE= name command was not found in the pool.

System action
The command is ignored.

User response
Ensure that the table name was entered correctly, and that the command was addressed to the correct pool server.

Module:
DFHCFOC

Destination
Console and SYSPRINT

DFHCF0373I Table table cannot be deleted because it is in use.

Explanation
The table specified on a coupling facility data table server DELETE TABLE= name command is currently open for access, so it cannot be deleted.

System action
The command is ignored.

User response
Check that the correct table name was entered. Ensure that the table is closed from all regions which are no longer using it. The server command DISPLAY TABLE= name can be used to determine how many users currently have the table open, or whether one or more servers have it open for recoverable access.

Module:
DFHCFOC

Destination
Console and SYSPRINT

DFHCF0374 Table table could not be deleted, CF access error.

Explanation
During processing of a coupling facility data table server DELETE TABLE= name command, an unexpected error response was received. This message is preceded by message DFHCF0441 giving the details of the coupling facility access error.

System action
The command is ignored.
User response
Check the system log for a preceding DFHCF0441 message and see the explanation of that message.

Module:
DFHCFOC

Destination
Console and SYSPRINT

DFHCF0381I  APPLID applid is connected on system.

Explanation
This message is issued in response to a successful coupling facility data table server DISPLAY APPLID command. This is issued for each recoverable connection matching the given APPLID name or pattern, or for all recoverable connections if no APPLID value was given.

System action
Processing continues.

User response
None.

Module:
DFHCFSP

Destination
Console and SYSPRINT

DFHCF0383I  APPLID applid total connections: applids.

Explanation
This message is issued at the end of the responses to a coupling facility data table server DISPLAY APPLID command to summarize the total number of connections listed. The total is zero if no matching connections were found.

System action
Processing continues.

User response
None.

Module:
DFHCFSP

Destination
Console and SYSPRINT

DFHCF0384I  APPLID applid UOW status: indoubts in doubt, commits in commit, backouts in backout, active on system

Explanation
This message is issued in response to a coupling facility data table server DISPLAY UOWID command where the APPLID identifies a CICS region that has an active recoverable connection to the pool on the indicated MVS system. If UOWID details were requested, this message follows the details for the individual units of work. The indoubts count represents units of work which have been prepared for commit but have not yet been scheduled to be committed or backed out. The commits count represents units of work for which commit processing is in progress. The backouts count represents units of work for which backout processing is in progress.

System action
Processing continues.

User response
None.

Module:
DFHCFS

**Destination**

Console and SYSPRINT

DFHCFO385I  APPLID applid UOW status:
  *indoubts* in doubt, *commits* in commit, *backouts* in backout, not active

**Explanation**

This message is issued in response to a coupling facility data table server DISPLAY UOWID command for an APPLID which identifies a CICS region that previously established a recoverable connection to the pool and has recoverable work pending, but is not currently connected to the pool. If UOWID details were requested, this message follows the details for the individual units of work. The *indoubts* count represents units of work which have been prepared for commit but have not been scheduled to be committed nor backed out. These will normally be resolved by resynchronization processing when the connection is restarted. The *commits* count represents units of work for which commit processing has been started, and will be completed when the connection is restarted. The *backouts* count represents units of work for which backout processing has been started, and will be completed when the connection is restarted.

**System action**

Processing continues.

**User response**

None.

**Module:**

DFHCFS

---

**Destination**

Console and SYSPRINT

DFHCFO386I  UOWID applid..uowid is in doubt.

**Explanation**

This message is issued in response to a coupling facility data table server DISPLAY UOWID command. The unit of work has been prepared for commit, but has been neither committed nor backed out. If the APPLID is currently inactive, the state will normally be resolved by resynchronization processing the next time it is restarted.

**System action**

Processing continues.

**User response**

None.

**Module:**

DFHCFS

---

**Destination**

Console and SYSPRINT

DFHCFO388I  UOWID applid..uowid is being committed.

**Explanation**

This message is issued in response to a coupling facility data table server DISPLAY UOWID command. The unit of work has started the commit process. If the APPLID is currently inactive, the commit process will be completed the next time it is restarted.

**System action**

Processing continues.

**User response**

None.

**Module:**

DFHCFS

---

**Destination**

Console and SYSPRINT

DFHCFO388I  UOWID applid..uowid is being backed out.

**Explanation**

This message is issued in response to a coupling facility data table server DISPLAY UOWID command. The unit of work has started to be backed out. If the APPLID is currently inactive, the backout process will be completed the next time it is restarted.

**System action**

Processing continues.

**User response**

None.

**Module:**
Explanation
This message is issued in response to a coupling facility data table server `DISPLAY UOWID` command.

System action
Processing continues.

User response
Check that the correct UOWID was entered.

Module:
DFHCFSP

Destination
Console and SYSPRINT

DFHCF0389
UOWID applid.uowid was not found.

Explanation
This message is issued in response to a coupling facility data table server `DISPLAY UOWID` command.

System action
The requested function is ignored.

User response
Check that the correct APPLID was entered.

Module:
DFHCFSP

Destination
Console and SYSPRINT

DFHCF0390I
UOWID applid.uowid total matching entries: uowids

Explanation
This message is issued at the end of the responses to a coupling facility data table server `DISPLAY UOWIDs` command to summarize the total number of units of work listed. The total is zero if no matching units of work were found.

System action
Processing continues.

User response
None.

Module:
DFHCFSP

Destination
Console and SYSPRINT

DFHCF0392
APPLID applid recovery status cannot be modified while it is connected.

Explanation
This message is issued in response to a coupling facility data table server `SET` command which attempted to modify recovery status for the given APPLID. This is not possible if the APPLID is already connected to the pool, on this server or another server.

System action
The requested function is ignored.

User response
Check whether the correct APPLID was entered.

Module:
DFHCFSP

Destination
Console and SYSPRINT

DFHCF0393
APPLID applid recovery status cannot be modified because connection restart failed with reason code reason.

Explanation
This message is issued in response to a coupling facility data table server `SET` command which attempted to modify recovery status for the given APPLID. This is not possible if the APPLID is already connected to the pool, on this server or another server.

User response
Check whether the correct APPLID was entered.

Module:
DFHCFSP
APPLID. The attempt failed because the server was unable to establish a recoverable connection on behalf of that APPLID. The reason code from the failing internal FCCU RESTART function is included.

**System action**
The requested function is ignored.

**User response**
See the server trace file and job log for further details about the failure.

**Module:**
DFHCFSP

**Destination**
Console and SYSPRINT

**Explanation**
This message is issued in response to a coupling facility data table server SET command which attempted to modify the recovery status of a specific unit of work. The APPLID had one or more unresolved units of work and was successfully restarted, but the UOWID did not match any in-doubt unit of work owned by that APPLID after restart completed. Note that if the unit of work was previously in the process of being committed or backed out, restart processing will have resolved it.

**System action**
The requested function is ignored. A further message will appear indicating whether any units of work remain unresolved after the successful restart.

**User response**
Check that the correct APPLID and UOWID were entered.

**Module:**
DFHCFSP

**Destination**
Console and SYSPRINT

**Explanation**
This message is issued in response to a successful coupling facility data table server SET command which committed one or more units of work.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHCFSP

**Destination**
Console and SYSPRINT

**Explanation**
This message is issued in response to a successful coupling facility data table server SET command which committed one or more units of work.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHCFSP

**Destination**
Console and SYSPRINT

**Explanation**
This message is issued in response to a successful coupling facility data table server SET command which committed one or more units of work.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHCFSP

**Destination**
Console and SYSPRINT

**Explanation**
This message is issued in response to a successful coupling facility data table server SET command which committed one or more units of work.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHCFSP

**Destination**
Console and SYSPRINT

**Explanation**
This message is issued in response to a successful coupling facility data table server SET command which committed one or more units of work.
**System action**
Processing continues.

**User response**
None.

**Module:**
DFHCFSP

**Destination**
Console and SYSPRINT

**DFHCF0398I**  
**APPLID applid units of work now backed out: backouts.**

**Explanation**
This message is issued in response to a successful coupling facility data table server **SET** command which backed out one or more units of work.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHCFCF

**Destination**
Console and SYSPRINT

**DFHCF0401I**  
**Connected to CF structure strname.**

**Explanation**
The coupling facility data table server has successfully established a connection to the coupling facility list structure for the table pool, using the IXLCONN macro.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHCFCF

**Destination**
Console and SYSPRINT

**DFHCF0402I**  
**CF structure strname was allocated by this connection.**

**Explanation**
The coupling facility data table pool list structure did not previously exist and was allocated as part of the connection process.

**System action**
List structure initialization will be performed if necessary.

**User response**
None.

**Module:**
DFHCFCF

**Destination**
Console and SYSPRINT

**DFHCF0403**  
**Connection to CF structure strname failed, IXLCONN return code retcode, reason code rsncode.**

**Explanation**
The IXLCONN macro to connect the coupling facility data table server to its pool list structure failed.

**System action**
The requested function is ignored.

**User response**
See the server trace file and job log for further details about the failure.

**Module:**
DFHCFSP
System action
The coupling facility data table server is terminated.

User response
See the documentation of the IXLCONN macro in z/OS MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code. If the reason code is of the form xxxxx0C08, indicating structure allocation failure, this message will be followed by message DFHCF0409 giving the facility reason code for each coupling facility in which allocation was attempted.

Module:
DFHCFCF

Destination
Console and SYSPRINT

DFHCF0404  CF structure strname cannot be used because it has been allocated with attribute attribute.

Explanation
The coupling facility data table server has successfully connected to its pool list structure but has found that the structure has been allocated using an IXLCONN structure attribute keyword which is not supported by the server.

System action
The server is terminated.

User response
This probably indicates that the structure has been allocated or modified by some program other than the coupling facility data table server program. In this case, the incorrect structure should be deleted (using the MVS SETXCF FORCE command) so that it will be reallocated correctly when the server is restarted.

Module:
DFHCFCF

Destination
Console and SYSPRINT

DFHCF0405  CF structure strname element size elemsize is incorrect. It should be a power of 2 in the range 256 to 4096.

Explanation
The list structure element size specified in the ELEMSIZE initialization parameter for the coupling facility data table server is not a power of two, or is outside the range supported by the coupling facility interface.

System action
The server is terminated (without attempting to connect to the list structure).

User response
Correct the ELEMSIZE parameter and restart the server.

Module:
DFHCFCF

Destination
Console and SYSPRINT

DFHCF0406  Initialization failed for CF structure strname with response response.

Explanation
Coupling facility data table server processing to initialize the pool list structure failed with an abnormal internal response code.

System action
The server is terminated.

User response
If the response code is 8 (I/O error), it indicates that an IXLLIST macro gave an abnormal return code, in which case a previous DFHCF0441 message will have been issued giving the IXLLIST return code and reason code. If this response code is any other value, this indicates that the list structure is in a state which should not occur, probably indicating that it was allocated or modified by a program other than the coupling facility data table server. In this case the structure may need to be deleted (using the MVS SETXCF FORCE command) so that it will be reallocated when the server is restarted.

Module:
DFHCFCF

Destination
Console and SYSPRINT
**DFHCF0407**  
**CF structure strname is not available for shared use.**

**Explanation**

The coupling facility data table pool is currently locked for exclusive use by some other job such as a pool unload or reload job. (This serialization uses an MVS ENQ with scope SYSTEMS, major name 'SYSZDFH' and minor name equal to the structure name, 'DFHCFLS_poolname').

**System action**

The server is terminated.

**User response**

Check whether a pool maintenance job is currently running. If it is, wait until it has finished before trying to start the server again. You can find out what jobs are currently using the pool using this MVS command:

```
DISPLAY GRS,RES=(SYSZDFH,'DFHCFLS_poolname')
```

Note that for this command the pool name must be exactly eight characters, padded with trailing spaces if necessary.

**Module:** DFHCFCF

**Destination**

Console and SYSPRINT

---

**DFHCF0409**  
**CF structure strname could not be allocated in facility cfname, reason code rsncode.**

**Explanation**

If a previous coupling facility data table server message DFHCF0403 indicated an IXLCONN failure because the structure could not be allocated, this message is issued for each coupling facility in which allocation was attempted to show the facility reason code indicating why structure allocation failed. If the reason code is known to the server, the name of the reason code is given (as defined in the MVS macro IXLYCONA, but without the 'ConaRsn' prefix), otherwise its decimal value is shown.

If the response indicates InvalidStructureSize, this means that the initial list structure size (specified on the server POOLSIZE parameter or in the CFRM policy INITSIZE parameter) is not large enough to contain the required structure control information. The size of the control information is affected by the number of list headers (determined by the server MAXTABLES parameter) and by the maximum structure size specified in the CFRM policy.

**System action**

The server is terminated.

**User response**

If further details are required, see the descriptions of the reason codes in the source of the MVS macro IXLYCONA which maps the connect answer area.

If the response was InvalidStructureSize, increase the initial structure size specification in the server POOLSIZE parameter or the CFRM policy INITSIZE parameter to ensure that there is enough space for data in addition to the structure control information. Also, check that the server MAXTABLES parameter...
and the maximum structure size specified in the CFRM policy are not unnecessarily large. See the Configuring for more information on how to estimate pool sizes.

Module: DFHCFCF

**Destination**
Console and SYSPRINT

**DFHCFO410** CF structure *strname* cannot be used, coupling facility maintenance level is too low.

**Explanation**
Initialization test routines executed against the allocated list structure gave incorrect results, indicating that the coupling facility control code does not include all maintenance necessary to support coupling facility data tables.

**System action**
The server is terminated.

**User response**
Ensure that the required level of coupling facility maintenance is applied.

Module: DFHCFCF

**Destination**
Console and SYSPRINT

**DFHCFO411I** CF structure *strname* now has percentage% of entries in use.

**Explanation**
This message is issued by the coupling facility data table server when the percentage of list data elements in use within the list structure increases past certain set threshold levels, or when it decreases past a threshold level after previously being at a higher level. This message is also issued immediately after a structure alter request has completed in order to show how the percentage has been affected by changes in the structure size or entry to element ratio. The percentage is calculated using information that is returned by successful coupling facility access requests, so if the message was triggered by structure alter completion and the current server has not processed any successful requests recently, the information may not be accurate.

**System action**
The warning threshold is increased to the next higher level (normally 5% higher if less than 95%, otherwise 1% higher), or decreased to the previous lower level depending on whether the usage is increasing or decreasing. If the structure usage is increasing and the structure element to entry ratio is not making full use of the available space, the server may issue an automatic IXLALTER request to adjust the ratio.

**User response**
Note that the structure may soon become full, preventing tables from being created. If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS SETXCF command with the START,ALTER option, and any active servers will be able to use the increased space immediately.

Module: DFHCFCF

**Destination**
Console and SYSPRINT

**DFHCFO412I** CF structure *strname* now has percentage% of elements in use.

**Explanation**
This message is issued by the coupling facility data table server when the percentage of list data elements in use within the list structure increases past certain set threshold levels, or when it decreases past a threshold level after previously being at a higher level. This message is also issued immediately after a structure alter request has completed in order to show how the percentage has been affected by changes in the structure size or entry to element ratio. The percentage is calculated using information that is returned by successful coupling facility access requests, so if the message was triggered by structure alter completion and the current server has not processed any successful requests recently, the information may not be accurate.

**System action**
The warning threshold is increased to the next higher level (normally 5% higher if less than 95%, otherwise 1% higher), or decreased to the previous lower level depending on whether the usage is increasing or decreasing. If the structure usage is increasing and the structure element to entry ratio is not making full use of the available space, the server may issue an automatic IXLALTER request to adjust the ratio.

**User response**
Note that the structure may soon become full, preventing tables from being created. If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS SETXCF command with the START,ALTER option, and any active servers will be able to use the increased space immediately.
use of the available space, the server may issue an automatic IXLALTER request to adjust the ratio.

**User response**

Note that the structure may soon become full, preventing tables from being created. If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be altered dynamically using the MVS SETXCF command with the START,ALTER option, and any active servers will be able to use the increased space immediately.

**Module:** DFHCFCF

**Destination**

Console and SYSPRINT

**Explanation**

The coupling facility data table server has determined that the ratio of free entries to free elements is significantly different from the ratio of entries to elements actually in use. It is issuing an IXLALTER macro to request the coupling facility to adjust the ratio to make better use of the coupling facility storage.

**System action**

The server continues by issuing the IXLALTER macro. A further message will be issued when the structure alter request is accepted or rejected by MVS.

**User response**

None.

**Module:** DFHCFCF

**Destination**

Console and SYSPRINT

**Explanation**

The coupling facility data table server attempted to start a structure alter request using IXLALTER to change the entry to element ratio for the list structure, but this was rejected by the system because another structure alter request was already active.

**System action**

The server event exit will be notified by MVS when the structure alter request completes and a further message will then be issued.

**User response**

None.

**Module:** DFHCFCF

**Destination**

Console and SYSPRINT

**Explanation**

The coupling facility data table server attempted to start a structure alter request to change the entry to element ratio for the list structure, but this was rejected by the system with an unexpected return code.
**System action**
The current structure alter attempt is abandoned. Another attempt may be made when the minimum alter interval has expired.

**User response**
See the documentation of the IXLALTER macro in z/OS MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code.

**Module:**
DFHCFCF

**Destination**
Console and SYSPRINT

DFHCF0417I Alter request completed normally for CF structure strname.

**Explanation**
The coupling facility data table server has been notified by the system that a structure alter request has completed normally.

**System action**
New values for the structure size and numbers of elements and entries are stored. This message is followed by messages DFHCF0411 and DFHCF0412 to indicate the new usage percentages.

**User response**
None.

**Module:**
DFHCFCF

**Destination**
Console and SYSPRINT

DFHCF0419I Alter request ended abnormally for CF structure strname with status status.

**Explanation**
The coupling facility data table server has been notified by the system that a structure alter request has ended abnormally. The two bytes of status information in this message are taken from EEPLALTERENDSTATEFLAGS in the event exit parameter list (defined in the MVS macro IXLYEEPL).

**System action**
No action is taken as a result of this notification, but any problem which caused the alter request to fail may result in other related problems.

**User response**
If further information is required, look for MVS messages on the system log indicating the reason for the structure alter request failure. For further information about the status flags, see the source of the MVS macro IXLYEEPL.

**Module:**
DFHCFCF

**Destination**
Console and SYSPRINT

DFHCF0418I Alter request ended normally for CF structure strname but target was not attained.

**Explanation**
The coupling facility data table server has been notified by the system that a structure alter request has ended normally but that the target ratio or target size was not attained.

**System action**
New values for the structure size and numbers of elements and entries are stored. This message is followed by messages DFHCF0411 and DFHCF0412 to indicate the new usage percentages.

**User response**
None.

**Module:**
DFHCFCF

**Destination**
Console and SYSPRINT

DFHCF0424 Connectivity has been lost to CF structure strname. The CF data table server cannot continue.

**Explanation**
The coupling facility data table server has been notified by the system that connectivity has been lost to the coupling facility containing the pool list structure. If the loss of connectivity was due to an IPL
of the coupling facility, all tables and data records are lost.

**System action**
The server issues an internal **CANCEL** command to terminate itself immediately.

**User response**
Restart the server when connectivity to the coupling facility from the current system has been reestablished. If connectivity is still available from other systems, CICS transactions which require access to the affected pool should be diverted to those systems if possible.

If the loss of connectivity was due to an IPL of the coupling facility the restart causes a fresh copy of the list structure to be allocated.

**Module:**
DFHCFCF

**Destination**
Console and SYSPRINT

**DFHCF0425 CF structure strname has failed. The CF data table server cannot continue.**

**Explanation**
The coupling facility data table server has been notified by the system that the pool list structure has been lost due to coupling facility structure failure. All tables and data records in the pool have been lost.

**System action**
Each server for the affected pool issues an internal **CANCEL** command to terminate itself immediately.

**User response**
If another coupling facility is available and is included in the CFRM preference list for the failed structure, restart the servers to cause a fresh copy of the list structure to be allocated on the alternate coupling facility. If no other coupling facility is available, wait until the original coupling facility has been made available again before restarting the servers.

**Module:**
DFHCFCF

**Destination**
Console and SYSPRINT

<table>
<thead>
<tr>
<th>Requests:</th>
<th>Reads</th>
<th>Writes</th>
<th>Rewrites</th>
<th>Deletes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Table data records</th>
<th>n</th>
<th>n</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data list controls</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td>Table index list</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td>UOW index list</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td>APPLID index list</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td>Lock release msgs</td>
<td>n</td>
<td>n</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Responses:</th>
<th>Asynch</th>
<th>Unavail</th>
<th>Normal</th>
<th>Len</th>
<th>err</th>
<th>Not fnd</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>n</td>
<td>n</td>
<td>n</td>
<td></td>
<td></td>
<td>n</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Vers</td>
<td>chk List</td>
<td>List full</td>
<td>Str</td>
<td>full</td>
<td></td>
</tr>
<tr>
<td></td>
<td>I/O</td>
<td>err</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

|        | n | n | n | n |

**System action**
Processing continues.

**User response**
The statistics are described in detail in the DFHCF6D data area. The individual fields have the following meanings:

- **Table data record request counts:**
  - **Reads**
    - Number of data entry reads.
  - **Writes**
    - Number of data entry writes.
  - **Rewrites**
    - Number of data entry rewrites.
  - **Deletes**
    - Number of data entry deletes.

- **Data list controls request counts:**

**DFHCF0431I Access statistics for CF structure strname:**

**Explanation**
This message gives a summary of coupling facility access statistics. It is issued in response to a coupling facility data table server **DISPLAY** or **PRINT** command which includes the **CFSTATS** parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows:

- **Requests:**
  - Table data records: n
  - Data list controls: n
  - Table index list: n
  - UOW index list: n
  - APPLID index list: n
  - Lock release msgs: n

- **Responses:**
  - Asynch: n
  - Unavail: n
  - Normal: n
  - Len: n
  - err: n
  - Not fnd: n
  - Vers: n
  - chk List: n
  - List full: n
  - I/O err: n

<table>
<thead>
<tr>
<th></th>
<th>n</th>
<th>n</th>
<th>n</th>
<th>n</th>
</tr>
</thead>
</table>

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Reads
Number of reads to check list usage (open or inquire).

Writes
Number of times a new data list was allocated.

Rewrites
Number of times data list controls were modified.

Deletes
Number of times a data list was deleted for reuse.

• Table index list request counts:

Reads
Number of table index reads.

Writes
Number of table index writes to create new tables.

Rewrites
Number of table index writes to update table status.

Delete
Number of table index deletes.

• Unit of work index list request counts:

Reads
Number of UOW list reads.

Writes
Number of UOW list writes (usually at PREPARE).

Rewrites
Number of UOW list rewrites (usually at COMMIT).

Deletes
Number of UOW list deletes (usually after COMMIT).

• Lock release notify message request counts:

Reads
Number of lock release messages read by this server.

Writes
Number of lock release messages sent by this server.

• Response counts:

Asynch
Number of requests for which completion was asynchronous.

Normal
Number of normal responses.

Unavail
Number of times requests were deferred because the structure was temporarily unavailable, for example because system-managed rebuild was in progress.

Len error
Entry data was larger than the input buffer length, which normally results in a retry with a larger buffer.

Not fnd
The specified entry (table or item) was not found.

Vers chk
A version check failed for an entry being updated, indicating that another task had updated it first.

List chk
A list authority comparison failed, usually meaning that the table is in the process of being deleted.

List full
A table reached the maximum number of items, causing the relevant list to be marked as full.

Str full
The list structure became full.

I/O err
Some other error code was returned by IXLLIST.

Module:
DFHCFCF

Destination
Console and SYSPRINT

DFHCF0432I Table pool statistics for CF structure strname:

Explanation
This message gives a summary of the usage statistics for the table pool list structure. It is issued in response to a coupling facility data table server DISPLAY or PRINT command which includes the POOLSTATS parameter, and may also be produced
on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows:

<table>
<thead>
<tr>
<th>Structure: Size</th>
<th>Max size</th>
<th>Elem size</th>
</tr>
</thead>
<tbody>
<tr>
<td>nK</td>
<td>nK</td>
<td>n</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tables: Current</th>
<th>Highest</th>
</tr>
</thead>
<tbody>
<tr>
<td>n</td>
<td>n</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lists: Total</th>
<th>In use</th>
<th>Max used</th>
</tr>
</thead>
<tbody>
<tr>
<td>n</td>
<td>n</td>
<td>n%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Control</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>n</td>
<td>n%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Entries: Total</th>
<th>In use</th>
<th>Max used</th>
</tr>
</thead>
<tbody>
<tr>
<td>n</td>
<td>n</td>
<td>n%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Free</th>
<th>Min free</th>
<th>Reserve</th>
</tr>
</thead>
<tbody>
<tr>
<td>n</td>
<td>n%</td>
<td>n%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Elements: Total</th>
<th>In use</th>
<th>Max used</th>
<th>Free</th>
</tr>
</thead>
<tbody>
<tr>
<td>n</td>
<td>n</td>
<td>n%</td>
<td>n%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Min free</th>
<th>Reserve</th>
</tr>
</thead>
<tbody>
<tr>
<td>n</td>
<td>n%</td>
</tr>
</tbody>
</table>

**System action**

Processing continues.

**User response**

The statistics are described in detail in the DFHCFS6D data area. Pool usage statistics are calculated from information returned by recent coupling facility requests, and are not always very accurate, especially if the relevant information has not been accessed recently by the current server. The number of tables and the number of lists are updated each time the server opens or closes a table, but are not reliably updated at other times. The element and entry counts are updated on successful completion of most types of coupling facility access request.

The individual fields have the following meanings:

- **Structure:**
  - **Size**
    - Current allocated size of the list structure.
  - **Max size**
    - Maximum size to which this structure could be altered.

- **Tables:**
  - **Current**
    - Number of tables currently in existence.
  - **Highest**
    - Highest number of tables at any time (since last reset).

- **Lists:**
  - **Total**
    - Maximum number of list headers in the structure.
  - **In Use**
    - Number currently in use.
  - **Max Used**
    - Maximum number in use (since last reset).
  - **Control**
    - Number of lists in use for control information.
  - **Data**
    - Number of lists in use for table data.

- **Entries:**
  - **Total**
    - Total entries in the currently allocated structure (initially set at structure connection time and updated on completion of any structure alter request).
  - **In Use**
    - Number of entries currently in use.
  - **Max Used**
    - Maximum number in use (since last reset).
  - **Free**
    - Number of entries currently free (total minus used).
  - **Min Free**
    - Minimum number of free entries (since last reset).
  - **Reserve**
    - Number of entries reserved for rewrites and server use.
<table>
<thead>
<tr>
<th>Metric</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td>Total data elements in the currently allocated structure (initially set at structure connection time and updated on completion of any structure alter request).</td>
</tr>
<tr>
<td><strong>In Use</strong></td>
<td>Number of elements currently in use.</td>
</tr>
<tr>
<td><strong>Max Used</strong></td>
<td>Maximum number in use (since last reset).</td>
</tr>
<tr>
<td><strong>Free</strong></td>
<td>Number of elements currently free (total minus used).</td>
</tr>
<tr>
<td><strong>Min Free</strong></td>
<td>Minimum number of free elements (since last reset).</td>
</tr>
<tr>
<td><strong>Reserve</strong></td>
<td>Number of elements reserved for rewrites and server use.</td>
</tr>
</tbody>
</table>

**Module:** DFHCFCF

**Destination**
Console and SYSPRINT

<table>
<thead>
<tr>
<th>Message ID</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFHC0441</td>
<td>CF structure <em>strname</em> request failed, IXLLIST return code <em>retcode</em>, reason code <em>rsncode</em>.</td>
</tr>
</tbody>
</table>

**Explanation**
A coupling facility access request issued by the coupling facility data table server using the IXLLIST macro gave an abnormal return code.

**System action**
The failing request is given an I/O error indication, giving an IOERR condition if it originated from a CICS API request.

**User response**
See the documentation of the IXLLIST macro in z/OS MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code.

**Module:** DFHCFCF

**Destination**
Console and SYSPRINT

<table>
<thead>
<tr>
<th>Message ID</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFHC0442</td>
<td>CF structure <em>strname</em> request failed, structure is full.</td>
</tr>
</tbody>
</table>

**Explanation**
A coupling facility access request issued by the coupling facility data table server using the IXLLIST macro failed because there are insufficient free entries or elements to store the new data in the structure.

**System action**
The failing request is given a NOSPACE indication if it originated from a CICS API request. For reload processing, if an automatic structure alter is in progress, the request may be suspended until the outcome of the alter request is known, then retried. This message will not be issued again for further failures until the used numbers of elements and entries fall well below the warning threshold.

**User response**
Any tables which are no longer in use should be deleted so that the space can be reused. If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS SETXCF command with the START,ALTER option, and any active servers will be able to use the increased space immediately. However, if this action is possible it should normally have been taken in response to earlier warning message before the structure became full.

**Module:** DFHCFCF

**Destination**
Console and SYSPRINT

<table>
<thead>
<tr>
<th>Message ID</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFHC0443</td>
<td>CF structure <em>strname</em> request failed, all lists are in use.</td>
</tr>
</tbody>
</table>

**Explanation**
A coupling facility access request issued by the coupling facility data table server using the IXLLIST macro failed because all list headers defined in the structure are now in use. The number of list headers is determined by the MAXTABLES server initialization parameter when the structure is allocated.
System action
The failing request is given a NOSPACE indication if it originated from a CICS API request. This message will not be issued again for further failures while the shortage of list entries remains.

User response
Any tables which are no longer in use should be deleted to free up data lists. As the number of lists is fixed when the structure is allocated, the only way to increase the number of lists is to unload the structure, use the MVS SETXCF FORCE,STR command to delete it then reload it with a larger MAXTABLES parameter.

Module: DFHCFCF

Destination
Console and SYSPRINT

DFHCF0444I CF request has been suspended to await structure alter completion.

Explanation
A coupling facility data table access request which was suspended to await the completion of a structure alter request is now being retried because the alter request has either completed or failed.

System action
The suspended request will be restarted.

User response
None.

Module: DFHCFCF

Destination
Console and SYSPRINT

DFHCF0446 CF structure strname free space is below reserve level. New records will be rejected.

Explanation
The coupling facility data table server has detected that the number of free list entries or data elements in the pool structure has fallen below the reserve levels specified on the server parameters ENTRYRESERVEMIN, ENTRYRESERVEPC, ELEMENTRESERVEMIN and ELEMENTRESERVEPC.

System action
Any request to create a new record or table in the pool will be rejected for as long as the amount of free space remains below the reserve levels. The failing request is given a NOSPACE indication if it originated from a CICS API request. If free space later increases beyond the reserve levels, requests will be allowed again, and when the amount of free space exceeds the reserve levels by a reasonable margin (based on the server ENTRYWARNING and ELEMENTWARNING parameters) message DFHCF0447 will be issued.

User response
Use the server command DISPLAY POOLSTATS to obtain further information about the current pool usage. Any tables which are no longer in use should be deleted so that the space can be reused. If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS SETXCF command with the
**START,ALTER** option, and any active servers will be able to use the increased space immediately. However, if this action is possible it should normally have been taken in response to earlier warning messages.

**Module:** DFHCFCF

**Destination**
Console and SYSPRINT

**DFHCF0447** CF structure *strname* free space is no longer below reserve level.

**Explanation**
The coupling facility data table server issues this message after a recent shortage of free space caused message DFHCF0446 to be issued but the free space has now increased to beyond the reserve levels by a reasonable margin (based on the server **ENTRYWARNINC** and **ELEMENTWARNINC** parameters).

**System action**
Processing continues.

**User response**
Use the server command **DISPLAY POOLSTATS** to obtain further information about the current pool usage. Note that even if this message is produced, the structure may still be very short of space and further action may be necessary, as described for message DFHCF0446.

**Module:** DFHCFCF

**Destination**
Console and SYSPRINT

**DFHCF0451** Purge for CF structure *strname* failed, IXLPURGE return code *retcode*, reason code *rsncode*.

**Explanation**
A coupling facility data table access request was terminated abnormally and the server issued an IXLPURGE macro to ensure any active IXLLIST request was purged before releasing the I/O buffer, but the IXLPURGE macro gave a non-zero return code.

**System action**
The error is ignored because this only occurs when a request is already being terminated abnormally.

**User response**
See the documentation of the IXLPURGE macro in z/OS MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code.

**Module:** DFHCFCF

**Destination**
Console and SYSPRINT

**DFHCF0461I** Disconnected from CF structure *strname*.

**Explanation**
The coupling facility data table server has successfully disconnected from the pool list structure (using the IXLDISC macro) during termination.

**System action**
Processing continues.

**User response**
None.

**Module:** DFHCFCF

**Destination**
Console and SYSPRINT

**DFHCF0462** Disconnect from CF structure *strname* failed, IXLDISC return code *retcode*, reason code *rsncode*.

**Explanation**
The IXLDISC macro to disconnect the coupling facility data table server from its pool list structure failed.

**System action**
The error is ignored, as disconnection only occurs when the server is already terminating.
**User response**

See the documentation of the IXLDISC macro in z/OS MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code.

**Module:** 
DFHCFCF

**Destination**  
Console and SYSPRINT

---

**DFHCF0471**  
CF structure *strname* already has the maximum of *maxconn* servers active.

**Explanation**

An attempt was made to connect an additional coupling facility data table server to a pool list structure which already has the maximum number of active connections supported by the current version of the server. The coupling facility accepted the connection, but the server does not support this number of simultaneous connections to the pool, so the connection could not be used.

The server has been designed to support a fixed maximum number of connections per pool, which is the same as the maximum number of connections to a list structure supported by current coupling facility implementations, and the maximum number of systems in a sysplex. This means that if this message occurs, a level of coupling facility must be in use which supports more connections, and one or more of those connections must be in use by a program other than the coupling facility data table server, as the server only supports one connection per system within a sysplex.

**System action**

The server is terminated.

**User response**

Ensure that no programs other than the data table server are connected to the list structure.

**Module:** 
DFHCFCF

**Destination**  
Console and SYSPRINT

---

**DFHCF0482I**  
Retrying connection to structure *strname*.

**Explanation**

The coupling facility data table server has been notified via ENF that its list structure may now be available or that a change has occurred in the status of some general coupling facility resources, so it is about to make another attempt to connect to the structure.

**System action**

The original IXLCONN request is retried.

**User response**

None.

**Module:** 
DFHCFCF

**Destination**  
Console and SYSPRINT

---

**DFHCF0491**  
ENFREQ ACTION=action failed, return code retcode.
Explanation
An ENF request issued by the coupling facility data table server gave an unexpected return code.

System action
If this occurs on the ENFREQ ACTION=LISTEN request and the server is subsequently unable to connect to the list structure, the server will be terminated instead of waiting for the structure to become available.

User response
See the documentation of the ENFREQ macro in z/OS MVS Programming: Authorized Assembler Services Reference (Volume 1) (GC28-1765) for the explanation of the return and reason code.

Module:
DFHCFEN

Destination
Console and SYSPRINT

Explanation
Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager data areas needed by the server security interface (in particular the RCVT) were not found.

System action
The server is terminated.

User response
If these security checks are not required, specify SECURITY=NO in the server parameters, in which case each CICS region that is authorized to connect to the server will be able to open or delete any table in the pool. If table security checks are required, ensure that the external security manager is installed and active before starting the server.

Module:
DFHCFXS

Destination
Console and SYSPRINT

Explanation
Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager does not support the GLOBAL option for loading security profiles (known as global RACLIST), which is required in order to support cross-memory mode security checking.

System action
The server is terminated.

User response
If these security checks are not required, specify SECURITY=NO in the server parameters, in which case each CICS region that is authorized to connect to the server will be able to open or delete any table in the pool. If table security checks are required, it will be
necessary to upgrade the external security manager to a level which supports global in-storage profiles.

**Module:** DFHCFXS

**Destination**
Console and SYSPRINT

**DFHCF0504**
External security manager does not support cross-memory mode, table security cannot be supported.

**Explanation**
Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager does not support authorization (FASTAUTH) requests in cross-memory mode, which are required in order to perform table security checks.

**System action**
The server is terminated.

**User response**
If these security checks are not required, specify SECURITY=NO in the server parameters, in which case each CICS region that is authorized to connect to the server will be able to open or delete any table in the pool. If table security checks are required, it will be necessary to upgrade the external security manager to a level which supports cross-memory mode authorization requests.

**Module:** DFHCFXS

**Destination**
Console and SYSPRINT

**DFHCF0505**
RACROUTE REQUEST=EXTRACT gave R15=rc, SAFPRRET=retcode, SAFPRREA=rsnconde.

**Explanation**
Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager EXTRACT function issued to obtain the userid during server initialization gave an unexpected return code. This message shows the RACROUTE register 15 return code and the external security manager return and reason codes returned in the SAF request parameter list.

**System action**
The server is terminated with message DFHCF0506.

**User response**
See the documentation of the RACROUTE macro with REQUEST=EXTRACT in z/OS Security Server RACROUTE Macro Reference (GC28-1922) for the explanation of the return and reason codes.

**Module:** DFHCFXS

**Destination**
Console and SYSPRINT

**DFHCF0506**
Security EXTRACT function failed, table security cannot be supported.

**Explanation**
Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager EXTRACT function issued to obtain the userid during server initialization gave an unexpected return code.

**System action**
The server is terminated.

**User response**
See the preceding message DFHCF0505 for the details of the reason for the failure. If these security checks are not required, specify SECURITY=NO in the server parameters, in which case each CICS region that is authorized to connect to the server will be able to open or delete any table in the pool.

**Module:** DFHCFXS

**Destination**
Console and SYSPRINT

**DFHCF0507**
RACROUTE REQUEST=LIST, ENVIR=CREATE, CLASS='class', GLOBAL=YES gave R15=rc, SAFPRRET=retcode, SAFPRREA=rsnconde.

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Explanation
Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager LIST function to load the security profiles during server initialization gave an unexpected non-zero return code. This message shows the RACROUTE register 15 return code and the external security manager return and reason codes returned in the SAF request parameter list.

System action
The server is terminated with message DFHCF0508.

User response
See the documentation of the RACROUTE macro with REQUEST=LIST in z/OS Security Server RACROUTE Macro Reference (GC28-1922) for the explanation of the return and reason codes.

Module: DFHCFXS

Destination
Console and SYSPRINT

DFHCF0508  Security LIST function failed, table security cannot be supported.

Explanation
Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager LIST function issued to load the security profiles during server initialization gave an unexpected return code.

System action
The server is terminated.

User response
See the preceding message DFHCF0507 for the details of the reason for the failure. If these security checks are not required, specify SECURITY=NO in the server parameters, in which case each CICS region that is authorized to connect to the server will be able to open or delete any table in the pool.

Module: DFHCFXS

DFHCF0511  Attempt to open table table was rejected because the external security manager is not available.

Explanation
The coupling facility data table server was attempting to perform a security check for whether the connected region was allowed to open that data table, but the external security manager was unexpectedly unavailable, even though it had been available at server initialization time.

System action
The table open request is rejected.

User response
Note that no further table open requests will succeed unless the external security manager is reactivated.

Module: DFHCFXS

Destination
Console and SYSPRINT

DFHCF0512  RACROUTE REQUEST=FASTAUTH for resource resource gave R15=rc, SAFPRRET=retcode, SAFPRREA=rnrcode.

Explanation
A coupling facility data table OPEN, SET or DELETE security check gave a non-zero return code. This message indicates the resource name used for the check, the RACROUTE register 15 return code and the external security manager return and reason codes returned in the SAF request parameter list.

System action
Access to the table is rejected with message DFHCF0513.

User response
See the documentation of the RACROUTE macro with REQUEST=FASTAUTH in z/OS Security Server RACROUTE Macro Reference (GC28-1922) for the explanation of the return and reason codes.

Module:
DFHCFXS

Destination
Console and SYSPRINT

DFHCF0513 Attempt to open table table was rejected by the external security manager.

Explanation
A security check was performed by the coupling facility data table server to determine whether the connected region was allowed to open the named table, and the external security manager indicated that access was not allowed.

System action
The table open request is rejected.

User response
See the preceding message DFHCF0512 for the specific reason that access was rejected. Check that the correct table name was specified. Ensure that the client region is authorized to access the resource matching the table name (prefixed by the server region userid if SECPRFX=YES was specified) in the CICS file resource class (usually 'FCICSFCT').

Module:
DFHCFXS

Destination
Console and SYSPRINT

DFHCF0521 RACROUTE REQUEST=LIST, ENVIR=DELETE, CLASS='class' gave R15=rc, SAFPRRET=retcode, SAFPRREA=rsncode.

Explanation
The external security manager LIST function to unload the in-storage security profiles during coupling facility data table server termination gave an unexpected non-zero return code. This message shows the RACROUTE register 15 return code and the external security manager return and reason codes returned in the SAF request parameter list.

System action
Server termination processing continues.

User response
See the documentation of the RACROUTE macro with REQUEST=LIST in z/OS Security Server RACROUTE Macro Reference (GC28-1922) for the explanation of the return and reason codes.

Module:
DFHCFXS

Destination
Console and SYSPRINT

DFHCF0601I Starting statistics collection for interval since lasttime.

Explanation
The coupling facility data table server is about to collect interval, end of day or closedown statistics. This message identifies the start of the time interval to which the statistics apply, which is either the time that the server was started up or the time of the last reset, which occurs whenever interval or end of day statistics are produced. The format of the timestamp is yyyy-mm-dd hh:mm:ss.

System action
The server proceeds with statistics collection.

User response
None.

Module:
DFHCFST

Destination
SYSPRINT

DFHCF0602I Statistics collection completed, reset performed.

Explanation
Coupling facility data table server statistics have been collected and counters have been reset. This occurs for interval or end of day statistics.

System action
Processing continues.

User response
None.

Module:
DFHCFST

Destination
SYSPRINT

DFHCF0603I  Statistics collection completed.

Explanation
Coupling facility data table server statistics have been collected but counters have not been reset. This normally occurs at server closedown.

System action
Processing continues.

User response
None.

Module:
DFHCFST

Destination
Console and SYSPRINT

DFHCF0604  Timer SET failed, return code retcode, reason code rsncode.

Explanation
The statistics subtask in the coupling facility data table server tried to set up a timer wait interval but failed.

System action
The interval statistics function is terminated with message DFHCF0606.

User response
Check the return code and reason code. A return code of 4 indicates an attempt to cancel a nonexistent timer interval, which indicates a logic error in the server. A return code of 8 indicates that the MVS STIMERM macro failed, in which case the reason code indicates the return code received from STIMERM SET.

Module:
DFHCFST

Destination
Console and SYSPRINT

DFHCF0606  Statistics collection function is no longer available.

Explanation
The statistics collection subtask in the coupling facility data table server was unable to continue processing and has terminated. The reason will have been indicated by an earlier message.

System action
The interval statistics subtask terminates and no further interval statistics or end of day statistics will be produced for this run of the server.

User response
See the earlier message indicating the reason for the termination of the subtask.

Module:
DFHCFST

Destination
Console and SYSPRINT

DFHCF0610I  Statistics written to SMF, return code was retcode.
**Explanation**

Coupling facility data table server statistics have been sent to SMF. The return code from the SMFEWTM macro is indicated in this message. A non-zero return code usually indicates that SMF recording was suppressed because of current SMF options or an installation exit.

**System action**

Processing continues.

**User response**

If the return code is non-zero but SMF statistics were expected to be successfully written, see the documentation of the SMFEWTM macro in z/OS MVS System Management Facilities (SMF) (GC28-1783) for more information about return codes.

**Module:**

DFHCFST

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**Destination**

Console and SYSPRINT

**DFHCF0651**  
Restart processing cannot open table table, reason code reason.

**Explanation**

An application region has attempted to restart its connection to the coupling facility data table server, but an unresolved unit of work for that region has updated a table which cannot be opened at present, so restart processing cannot be completed. This message only occurs if the table is still in existence; if it has been deleted, the updates are simply discarded. The reason code is from the file open routine in module DFHCFCO, and indicates why the file could not be opened. In the current implementation, there are no user functions which could prevent a file from being opened by restart, so this condition should not be possible.

**System action**

Restart processing is terminated and recoverable tables cannot be accessed until it is successfully retried.

**User response**

None.

**Module:**

DFHCFSP

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**Explanation**

Pool state error, reason code reason, processing function request for UOWID uowid, task task, region region.

**Destination**

Console and SYSPRINT

**DFHCF0652**  
Pool state error, reason code reason, processing function request for UOWID uowid, task task, region region.

**Explanation**

Integrity checks during coupling facility data table server syncpoint or restart processing found that data or control information in the list structure was in a state that should not be possible in normal processing. The reason codes are based on the response codes returned by the internal coupling facility interface.

- **Reason codes:**
  - 2  
    Entry exceeds maximum data length.
  - 3  
    Entry not found.
  - 4  
    Wrong version.
  - 5  
    Wrong list authority.
  - 6  
    Limit number of entries in list reached.
  - 7  
    No space left in structure.

All of these conditions can also occur in normal processing. This message is only issued if the condition occurs in a case where it should not occur, or when the normal retry action following the condition cannot be performed. For example, a wrong version response from the coupling facility interface normally simply indicates that an entry has changed, causing the entry to be read again, and this is only treated as a pool state error if the data or control information in the changed entry is not consistent with the expected state of the record.

**System action**

The current syncpoint or restart operation is terminated with a pool state error exception.

**User response**

This indicates that some data in the pool has become inconsistent or corrupted. There is no known way that

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this can happen unless a program other than the coupling facility data table server is used to access the pool. If this error occurs for changes to a particular table, it may be necessary to delete the table to clear up the problem. If it occurs for other control information, it may be necessary to recreate the pool.

Module:
DFHCFSP

Destination
Console and SYSPRINT

DFHCF0701I CF data table pool poolname is to be unloaded.

Explanation
The coupling facility data table server program has been started with the UNLOAD option requesting that the table pool is unloaded to a sequential data set.

System action
The server starts to process the unload request. In this case, the rest of cross-memory server initialization is bypassed as it will not be needed.

User response
None.

Module:
DFHCFUL

Destination
Console and SYSPRINT

DFHCF0702I CF data table pool poolname has been successfully unloaded.

Explanation
The coupling facility data table pool has been unloaded successfully.

System action
The server closes down normally.

User response
None.

Module:
DFHCFUL

Destination
Console and SYSPRINT

DFHCF0704 DFHCFUL data set for unload could not be opened.

Explanation
The data set to contain the unloaded coupling facility data table pool could not be opened.

System action
Unload processing is terminated and the server is closed down with message DFHCF0706.

User response
Check that the DFHCFUL DD statement is present in the JCL for the unload job.

Module:
DFHCFUL

Destination
Console and SYSPRINT

DFHCF0705 Unload access to CF structure strname failed with response response.
The coupling facility data table pool unload process failed because of a problem with coupling facility access.

Unload processing is terminated and the server is closed down with message DFHCF0706.

If the response code is 8, this indicates that an unexpected IXLLIST error occurred, for which a previous message DFHCF0441 will have been issued. Any other response code indicates an internal logic error.

Module: DFHCFUL

Console and SYSPRINT

The named coupling facility data table has been unloaded. Note that if any recoverable updates were pending, the number of table entries unloaded may be slightly larger than the number of records, as the entry for the original record is retained until syncpoint in case it is needed for backout.

Unload processing continues.

None.

Module: DFHCFUL

Console and SYSPRINT

One or more unresolved recoverable units of work were found for the specified recoverable connection identifier during coupling facility data table pool unload processing.

Unload processing will include the status of those units of work in the unloaded data, to allow them to be resolved after the pool is reloaded.

None.

Module: DFHCFUL

Console and SYSPRINT

The coupling facility data table server program has been started with the RELOAD option requesting that
the table pool is to be reloaded from a sequential data set produced using the UNLOAD option.

**System action**
The server starts to process the reload request. In this case, the rest of cross-memory server initialization is bypassed as it will not be needed.

**User response**
None.

**Module:** DFHCFRL

**Destination**
Console and SYSPRINT

DFHCF0802I CF data table pool *poolname* has been successfully reloaded.

**Explanation**
The coupling facility data table pool has been reloaded successfully.

**System action**
The server closes down normally.

**User response**
None.

**Module:** DFHCFRL

**Destination**
Console and SYSPRINT

DFHCF0803I Tables loaded: *tables*. Tables bypassed: *duplicates*. Blocks read: *blocks*.

**Explanation**
This message provides additional information about the results of the coupling facility data table pool reload process. Tables on the unloaded data set are bypassed during reload processing if they already exist in the pool (for example as a result of a previous reload which could not be completed due to lack of space).

**System action**
Server termination processing continues.

**User response**
None.

**Module:** DFHCFRL

**Destination**
Console and SYSPRINT

DFHCF0804DFHCFL data set for reload could not be opened.

**Explanation**
The data set containing the coupling facility data table pool to be reloaded could not be opened.

**System action**
Reload processing is terminated and the server is closed down with message DFHCF0808.

**User response**
Check that the DFHCFRL DD statement is present in the JCL for the reload job.

**Module:** DFHCFRL

**Destination**
Console and SYSPRINT

DFHCF0805Reload access to CF structure *strname* failed with response *response*.

**Explanation**
The coupling facility data table pool reload process failed because of a problem with coupling facility access.

**System action**
Reload processing is terminated and the server is closed down with message DFHCF0808.

**User response**
If the response code is 8, this indicates that an unexpected IXLLIST error occurred, for which a previous message DFHCF0441 will have been issued. Any other response code indicates an internal logic error.

**Module:** DFHCFRL
Destination
Console and SYSPRINT

DFHCF0806 Unexpected end of file encountered on reload data set.

Explanation
End of file was encountered on the data set containing the unloaded coupling facility data table pool before the logical end of the unloaded data was encountered.

System action
Reload processing is terminated and the server is closed down with message DFHCF0808.

User response
This indicates that the unloaded data set is incomplete, perhaps because the unload process was abnormally terminated.

Module: DFHCFRL

Destination
Console and SYSPRINT

DFHCF0807 Reload data set contains incorrect data near block block, offset offset.

Explanation
The coupling facility data table pool reload process failed because the unloaded pool data set is not in the correct format.

System action
Reload processing is terminated and the server is closed down with message DFHCF0808.

User response
Check that the correct data set is being used and that the unload process completed normally.

Module: DFHCFRL

Destination
Console and SYSPRINT

DFHCF0809 Reload for CF structure strname failed, structure is full.

Explanation
Coupling facility data table pool reload processing failed because there are insufficient free entries or elements to store the new data in the structure.

System action
Reload processing is terminated and the server is closed down with message DFHCF0808.

User response
If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS SETXCF command with the START,ALTER option, and the reload job can then be run again as soon as the alter request completes, in which case it will skip over duplicate information which has already been successfully reloaded. If the structure is at its maximum size, use the MVS SETXCF FORCE command to delete the structure, then increase the SIZE and INITSIZE parameters in the current CFRM policy and activate the updated policy, and rerun the reload job. The approximate amount of information which could not be reloaded can be estimated by comparing the numbers of blocks read and tables reloaded, as described by following message DFHCF0803, with the corresponding numbers from message DFHCF0703 in the unload job.

Module: DFHCFRL

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**Destination**
Console and SYSPRINT

**DFHCF0810** Reload for CF structure *strname* failed, all lists are in use.

**Explanation**
Coupling facility data table pool reload processing failed because all list headers defined in the structure are now in use.

**System action**
Reload processing is terminated and the server is closed down with message DFHCF0808.

**User response**
Use the MVS SETXCF FORCE command to delete the structure, then change the reload job MAXTABLES parameter to a value at least as large as the number of tables in the unloaded data, preferably much larger to allow for future expansion, then rerun the reload job.

**Module:** DFHCFRL

**Destination**
Console and SYSPRINT

**DFHCF0821** CF data table *table* has been successfully reloaded, *records* records.

**Explanation**
The named coupling facility data table has been reloaded. Note that if any recoverable updates were pending, the number of table entries reloaded may be slightly larger than the number of records, as the entry for the original record is retained until syncpoint in case it is needed for backout.

**System action**
Reload processing continues.

**User response**
None.

**Module:** DFHCFRL

**Destination**
SYSPRINT

**DFHCF0822** CF data table *table* is already defined, reloading has been bypassed.

**Explanation**
A coupling facility data table which was being reloaded was found to have the same name as an existing table within the pool.

**System action**
Reloading of the table is bypassed, and reload processing continues with the next table.

**User response**
None.

**Module:** DFHCFRL

**Destination**
SYSPRINT

**DFHCF0831** *uowids* units of work were reloaded for recoverable connection *applid*.

**Explanation**
Coupling facility data table pool reload processing has reloaded one or more unresolved recoverable units of work for the specified recoverable connection identifier.

**System action**
Reload processing restores the status of those units of work from the unloaded data, to allow them to be resolved when the connection is next restarted.

**User response**
None.

**Module:** DFHCFUL
**Explanation**

Coupling facility data table pool reload processing found one or more unresolved recoverable units of work in the unloaded data which were found to be already present in the current pool, so they were bypassed in this reload run. This should only happen if the reload job was run more than once, for example to resume reloading after increasing the pool size.

**System action**

Reload processing skips units of work which are already identified as active in the current pool.

**User response**

None.

**Module:** DFHCFUL

**Destination**

SYSPRINT

DFHCF0911I  R12=prv RQ Entry function
Table=table Task=tasknum region

**Explanation**

Coupling facility data table server request tracing is active and information from the FCCR parameter list is being traced on entry to the request module DFHCFRQ.

**System action**

Processing continues.

**User response**

This message is intended primarily for diagnostic use as advised by your IBM Support Center.

**Module:** DFHCFRQ

**Destination**

SYSPRINT

DFHCF0912I  R12=prv RQ Exit response
Table=table Task=tasknum region

**Explanation**

Coupling facility data table server request tracing is active and the state of a record lock is being traced. (This message is not used in the normal cases of reading a record whose lock is available or releasing a record when no other task expressed an interest in it).

- Record lock status values:
  - **OWNED**
    - The lock is already held by the same task.
  - **BUSY**
    - The lock is held by another active task.
  - **RETAINED**
    - The lock has previously been marked as retained.
  - **RETAIN**
    - The lock is for an inactive task and will be retained.
  - **RECLAIM**
    - The lock is inactive and can be reclaimed immediately.
  - **BACKOUT**
    - The lock will be reclaimed after backing out any change.
**System action**
Processing continues.

**User response**
This message is intended primarily for diagnostic use as advised by your IBM Support Center.

**Module:**
DFHCFIQ

**Destination**
SYSPRINT

**Explanation**
Coupling facility data table server request tracing is active and information from the FCCI parameter list is being traced on entry to the inquire module DFHCFIQ.

**System action**
Processing continues.

**User response**
This message is intended primarily for diagnostic use as advised by your IBM Support Center.

**Module:**
DFHCFOC

**Destination**
SYSPRINT

**Explanation**
Coupling facility data table server request tracing is active and information from the FCCT parameter list is being traced on exit from the open/close module DFHCFOC.

**System action**
Processing continues.

**User response**
This message is intended primarily for diagnostic use as advised by your IBM Support Center.
**Module:** DFHCFOC

**Destination** SYSPRINT

**DFHCF0933I**  
R12=prv OC Closing table table for region on system.

**Explanation**  
Coupling facility data table server request tracing is active and the open/close module DFHCFOC is closing a table on behalf of a region or server which has terminated.

**System action**  
Processing continues.

**User response**  
This message is intended primarily for diagnostic use as advised by your IBM Support Center.

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**Module:** DFHCFOC

**Destination** SYSPRINT

**DFHCF0941I**  
R12=prv CF Entry request options modifiers R1=parmlst table

**Explanation**  
Coupling facility data table server tracing of coupling facility accesses is active and information from the request interface parameter list is being traced on entry to the coupling facility interface module DFHCFCF. The three-character request mnemonics used by the internal coupling facility interface consist of a two-character code indicating the type of operation followed by a one-character code indicating the type of object on which the operation is performed.

- Coupling facility interface operations:
  - **CRx**: Create
  - **DLx**: Delete
  - **INx**: Inquire
  - **MDx**: Modify
  - **RDx**: Read
  - **RWx**: Rewrite
  - **WRx**: Write (new)

- Coupling facility interface objects:
  - **xxA**: APPLID entry
  - **xxD**: Data record entry
  - **xxI**: Index entry
  - **xxL**: List controls (for list containing data records)
  - **xxM**: Message entry (for lock release notification)
  - **xxU**: Unit of work entry

- The options flags may include the following hexadecimal values:
  - **80**: Read key greater than or equal
  - **40**: Read key less than or equal
  - **20**: Compare entry version with given value
  - **10**: Suppress data transfer (transfer adjunct area only)
  - **08**: Access oldest entry with same key (for before-image)
  - **04**: Write new entry with same key (for after-image)
  - **02**: Non-increasing rewrite (so retry if structure full)
The modifier field is only used at present to specify the target connection number for a lock message, in hexadecimal form.

**System action**
Processing continues.

**User response**
This message is intended primarily for diagnostic use as advised by your IBM Support Center.

**Module:**
DFHCFCF

**Destination**
SYSPRINT

```
DFHCFO942I R12=prv CF IXLLIST Req=request Adj=adjarea Buf=buffer List=listnum Rsn=rscncode
```

**Explanation**
Coupling facility data table server tracing for coupling facility accesses is active and the result from an IXLLIST macro is being traced. The information traced includes an abbreviation of the type of request being performed, the addresses of the adjunct area and data buffer (zero when not used), the number of the list being accessed and the reason code returned by the macro. See the documentation of the IXLLIST macro in z/OS MVS Programming: Sysplex Services Reference (GC28-1772) for further details, including the explanation of the reason code.

**System action**
Processing continues.

**User response**
This message is intended primarily for diagnostic use as advised by your IBM Support Center.

**Module:**
DFHCFCF

**Destination**
SYSPRINT

```
DFHCFO943I R12=prv CF IXLLIST keyword=value
```

**Explanation**
Coupling facility data table server tracing for coupling facility accesses is active and an IXLLIST parameter or result value (key, authority value or version) is being traced in hex and (if relevant) character format.

**System action**
Processing continues.

**User response**
This message is intended primarily for diagnostic use as advised by your IBM Support Center.

**Module:**
DFHCFCF

**Destination**
SYSPRINT

```
DFHCFO944I R12=prv CF Exit response table
```

**Explanation**
Coupling facility data table server tracing for coupling facility accesses is active and information from the request interface parameter list is being traced on exit from the CF request module DFHCFCF.

- **Response codes:**
  - **OK**
    - Normal completion.
  - **LEN ERROR**
    - Data to be read exceeds buffer length.
  - **NOT FOUND**
    - No entry was found with the given key.
  - **DUPLICATE**
    - Add was rejected because key already exists.
  - **WRONG VER**
    - Change was rejected because version did not match.
  - **AUTH FAIL**
    - List authority value did not match.
  - **LIST LIM**
    - List has reached maximum number of entries.
  - **I/O ERROR**
    - IXLLIST error other than any of the above.
System action
Processing continues.

User response
This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Module:
DFHCFCF

Destination
SYSPRINT

DFHCF0951I  R12=prv SP Entry function
UOWID=uowid Task=tasknum
region

Explanation
Coupling facility data table server request tracing is active and information from the FCCU parameter list is being traced on entry to the syncpoint module DFHCFSP.

System action
Processing continues.

User response
This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Module:
DFHCFSP

Destination
SYSPRINT

DFHCF0952I  R12=prv SP Exit response
UOWID=uowid Task=tasknum
region

Explanation
Coupling facility data table server request tracing is active and information from the FCCU parameter list is being traced on exit from the syncpoint module DFHCFSP.

System action
Processing continues.

User response
This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Module:
DFHCFSP

Destination
SYSPRINT

DFHCF0953I  R12=prv SP Lock action
UOWID=uowid Task=tasknum
region

Explanation
Coupling facility data table server request tracing is active and a record lock action is being traced. The only lock action traced at present is 'POST', when a lock is being released after another task expressed interest in it.

System action
Processing continues.

User response
This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Module:
DFHCFSP

Destination
SYSPRINT

DFHCF0954I  R12=prv SP UOW status
UOWID=uowid Task=tasknum
region

Explanation
Coupling facility data table server request tracing is active and a unit of work is being processed during restart processing.

- Unit of work status values:
  
  **INDOUBT**
  
  The UOW needs to be resolved by the client region.

  **COMMIT**
  
  The UOW is being committed.
The UOW is being backed out.

No further changes were found so the UOW is being deleted.

This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Module: DFHCFS

Destination
SYSPRINT
DFHCF0955I R12=prv SP Table table UOWID=uowid Task=tasknum region

Explanation
Coupling facility data table server request tracing is active and the named table is being processed as part of commit or backout processing.

System action
Processing continues.

User response
This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Module: DFHCFS

Destination
SYSPRINT
DFHCF0956I R12=prv SP Record state action UOWID=uowid Task=tasknum region

Explanation
Coupling facility data table server request tracing is active and the current record state is being traced before commit or backout processing.

• The record state may include the following hexadecimal values:
  80
  The record is locked.
  40
  The record was changed in some way.
  20
  The record was created by this unit of work.
  10
  The record was updated by this unit of work.
  08
  The record was deleted by this unit of work.
  04
  The record lock is marked as retained.
  01
  This was the first record updated by this unit of work.

System action
Processing continues.

User response
This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Module: DFHCFS

Destination
SYSPRINT
DFHCF0999I Trace text

Explanation
This message is used by the coupling facility data table server for non-specific debugging traces in multiple modules, for use by service personnel. It should not appear in normal execution unless debugging traces were deliberately activated, or an internal logic error was encountered.

System action
Processing continues.
This message is intended primarily for diagnostic use as advised by your IBM Support Center.

**Module:**

**DFHCPI**

**DFHCP0101I applid CPI initialization has started.**

**Explanation**

This is an informational message indicating the start of CPI initialization.

**System action**

Initialization continues.

**User response**

None. You can suppress this message with the system initialization parameter MSGLVL=0.

**Module:**

**DFHCPI**

**DFHCP0102I applid CPI initialization has ended.**

**Explanation**

This is an informational message indicating that CPI initialization has completed successfully.

**System action**

Initialization continues.

**User response**

None. You can suppress this message with the system initialization parameter MSGLVL=0.

**Module:**

**DFHCPI**

**DFHCP0103I applid CPI initialization has failed.**

**Explanation**

CPI has failed to initialize successfully.

**System action**

Message DFHSI1522 will be issued following this message. CICS will terminate or continue initialization depending upon the operator's response to message DFHSI1522.

An exception trace entry will be written at the time the failure was detected.

Other CICS components called by CPI initialization may also issue messages or write trace entries.

**User response**

Decide whether CICS can continue execution without CPI support, and respond accordingly to message DFHSI1522.

You should also investigate why CPI failed to initialize.

**Module:**

**DFHCPI**

**DFHCP0701I date time applid tranid program_name CPI- C verb verb used unrecognized CONVERSATION_ID Conversation_ID.**

**Explanation**

The application program has used an unrecognized conversation_ID on one of its calls to CPI-C. This could mean that:
• The application program has not created a conversation successfully using either the CMINIT (Initialize_Conversation) or the CMACCP (Accept_Conversation) verbs, or
• The application program has used the conversation_ID supplied to it by CPI-C incorrectly.

**System action**
CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.
The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response**
Determine which error has occurred and amend the application program accordingly.
The z/VM: CPI Communications User's Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:**
DFHCPIC

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. program_name
6. Conversation_ID
7. verb
8. state

**Destination**
CCPI

**Explanation**
The CPI-C state machine detected a state error. This means that the conversation was in the wrong state to issue this verb.

**System action**
CICS returns control to the application program with return_code CM_PROGRAM_STATE_CHECK.
The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response**
Use the state machine defined in the z/VM: CPI Communications User’s Guide manual, (SC26-4399), and the CICS trace information to determine the sequence of CPI-C calls issued that caused the state error. Amend the application program in accordance with the supplied guidelines.

**Module:**
DFHCPIC

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. program_name
6. Conversation_ID
7. verb
8. state

**Destination**
CCPI

**DFHCP0705I**
*date time applid tranid program_name Conversation_ID invalid conversation_type parameter (X’conv_type’) supplied on the CMSCT (Set_Conversation_Type) verb.*

**Explanation**
The application program has called CMSCT (Set_Conversation_Type) with an invalid conversation_type parameter value.

**System action**
CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.
The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response**
Amend CMSCT in the application program to use a valid conversation_type parameter.
The z/VM: CPI Communications User's Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:**
DFHCPCSA

### XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID

#### Destination
CCPI

**DFHCP0706I**

- date
- time
- applid
- tranid
- program_name
- conversation_ID

**Explanation**

The application program has called CMSCT (Set_Conversation_Type) with a conversation_type parameter of CM_MAPPED_CONVERSATION when it had previously used the CMSF (Set_Fill) verb to set the fill characteristic.

This is not allowed in CPI-C.

#### System action

CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

#### User response

Amend the application program so that it does not use these two verbs in this invalid combination.

The z/VM: CPI Communications User's Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:**
DFHCPCSA

### XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid

#### Destination
CCPI

**DFHCP0707I**

- date
- time
- applid
- conversation_ID

**Explanation**

The application program has called CMSCT (Set_Conversation_Type) with a conversation_type parameter of CM_MAPPED_CONVERSATION when it had previously used the CMSLD (Set_Log_Data) verb to create some Log Data.

This is not allowed in CPI-C.

#### System action

CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

#### User response

Amend the application program so that it does not use these two verbs in this invalid combination.

The z/VM: CPI Communications User's Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:**
DFHCPCSA

### XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
invalid deallocate_type parameter
(X'\textit{deallocate
d_type}') supplied on the
CMSDT (Set_Deallocate_Type)
verb.

**Explanation**
The application program has called CMSDT
(Set_Deallocate_Type) with an invalid deallocate_type
parameter.

**System action**
CICS returns control to the application program with
return_code CM\_PROGRAM\_PARAMETER\_CHECK.
The CPI-C verb has no effect on either the
conversation or the conversation characteristics.

**User response**
Amend CMSDT in the application program to use a
valid deallocate_type parameter.

The z/VM: CPI Communications User's Guide manual,
(SC26-4399), provides a detailed description of all the
CPI-C verbs and how they should be called.

**Module:**
DFHCPCSB

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. deallocate_type
8. sync_level

**Destination**
CCPI

---

destination
CCPI

DFHC0708I \quad date \quad time \quad applid \quad tranid
program_name \quad conversation_ID
invalid deallocate_type parameter
(X'\textit{deallocate
d_type}') supplied on the
CMSDT (Set_Deallocate_Type)
verb.

**Explanation**
The application program has called CMSDT
(Set_Deallocate_Type) with an invalid deallocate_type
parameter.

**System action**
CICS returns control to the application program with
return_code CM\_PROGRAM\_PARAMETER\_CHECK.
The CPI-C verb has no effect on either the
conversation or the conversation characteristics.

**User response**
Amend CMSDT in the application program to use a
valid deallocate_type parameter.

The z/VM: CPI Communications User's Guide manual,
(SC26-4399), provides a detailed description of all the
CPI-C verbs and how they should be called.

**Module:**
DFHCPCSB

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. deallocate_type
8. sync_level

**Destination**
CCPI

DFHC0709I \quad date \quad time \quad applid \quad tranid
program_name \quad conversation_ID
7. X'\textit{deallocate_type}'

**Explanation**
The application program has called CMSDT
(Set_Deallocate_Type) with an invalid deallocate_type
parameter.

**System action**
CICS returns control to the application program with
return_code CM\_PROGRAM\_PARAMETER\_CHECK.
The CPI-C verb has no effect on either the
conversation or the conversation characteristics.

**User response**
Amend CMSDT in the application program to use a
valid deallocate_type parameter.

The z/VM: CPI Communications User's Guide manual,
(SC26-4399), provides a detailed description of all the
CPI-C verbs and how they should be called.

**Module:**
DFHCPCSB

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. deallocate_type
8. sync_level

**Destination**
CCPI

DFHC0710I \quad date \quad time \quad applid \quad tranid
program_name \quad conversation_ID
invalid error_direction parameter
(X'\textit{error_direction}') supplied on the
CMSED (Set_Error_Direction) verb.

**Explanation**
The application program has called CMSED
(Set_Error_Direction) with an invalid error_direction
parameter.

**System action**
CICS returns control to the application program with
return_code CM\_PROGRAM\_PARAMETER\_CHECK.
The CPI-C verb has no effect on either the
conversation or the conversation characteristics.

**User response**
Amend the application program to remove this
conflict.

The z/VM: CPI Communications User's Guide manual,
(SC26-4399), provides a detailed description of all the
CPI-C verbs and how they should be called.

**Module:**
DFHCPCSB

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. deallocate_type
8. sync_level

**Destination**
CCPI

---

The application program has called CMSED
(Set_Error_Direction) with an invalid error_direction
parameter.
**System action**

CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response**

Amend CMSED in the application program to use a valid error_direction parameter.

**Module:** DFHCPCSC

---

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. X'error_direction'

**Destination**

CCPI

**Explanation**

The application program has called CMSF (Set_Fill) when the conversation_type is CM_MAPPED_CONVERSATION.

**System action**

CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response**

Amend CMSF in the application program to use a valid fill parameter.

The z/VM: CPI Communications User’s Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:** DFHCPCSD

---

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. X'fill'

**Destination**

CCPI

**Explanation**

The application program has called CMSF (Set_Fill) when the conversation_type is CM_MAPPED_CONVERSATION.

**System action**

CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response**

Amend the application program to remove this conflict.

The z/VM: CPI Communications User’s Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:** DFHCPCSD

---

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID

---

**Module:** DFHCPCSC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID

---

**Module:** DFHCPCSD
EXPLANATION

The application program has called CMSLD (Set_Log_Data) when the conversation_type is CM_MAPPED_CONVERSATION.

SYSTEM ACTION

CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

USER RESPONSE

Amend the application program to remove this conflict.

The z/VM: CPI Communications User's Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

MODULE:

DFHCPCSE

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. log_data_length

EXPLANATION

The application program has called CMSMN (Set_Mode_Name) with an invalid mode_name_length parameter.

SYSTEM ACTION

CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

USER RESPONSE

Amend CMSMN in the application program to use a valid mode_name_length parameter.

The z/VM: CPI Communications User's Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

MODULE:

DFHCPCSE

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. log_data_length

EXPLANATION

The application program has called CMSLD (Set_Log_Data) with a log_data_length parameter that is not in the range 0-512.

SYSTEM ACTION

CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

USER RESPONSE

Amend CMSLD in the application program to use a valid log_data_length parameter.

The z/VM: CPI Communications User's Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

MODULE:

DFHCPCSE

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. log_data_length

EXPLANATION

The application program has called CMSMN (Set_Mode_Name) with an invalid mode_name_length parameter.

SYSTEM ACTION

CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.
The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response**
Amend CMSMN in the application program to use a valid mode_name_length parameter.

The z/VM: CPI Communications User’s Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:**
DFHCPCSF

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. mode_name_length

**Destination**
CCPI

---

**DFHCPCSF**

**DFHC0721I**

*date time applid tranid program_name conversation_ID the partner_lu_name_length (partner_lu_name_len) supplied on the CMSPLN (Set_Partner_LU_Name) verb is not in the range 1-17.*

**Explanation**
The application program has called CMSPLN (Set_Partner_LU_Name) with a partner_lu_name_length parameter outside the range 1-17.

**System action**
CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.
The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response**
Amend CMSPLN in the application program to use a partner_lu_name_length parameter within the range 1-17.

---

The z/VM: CPI Communications User's Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:**
DFHCPCSG

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. partner_lu_name_len

**Destination**
CCPI

**DFHCP0724I**

date time applid tranid program_name conversation_ID invalid prepare_to_receive_type parameter (X’ptr_type’) supplied on the CMSPTR (Set_Prepare_To_Receive_Type) verb.

**Explanation**
The application program has called CMSPTR (Set_Prepare_To_Receive_Type) with an invalid prepare_to_receive_type parameter.

**System action**
CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.
The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response**
Amend CMSPTR in the application program to use a valid prepare_to_receive_type parameter.

The z/VM: CPI Communications User's Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:**
DFHCPCSH

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. X'ptr_type'

**Destination**
CCPI

**DFHCP0725I**

```sql
date time applid tranid program_name conversation_ID the supplied prepare_to_receive_type parameter CM_PREP_TO_RECEIVE_CONFIRM is incompatible with the current setting of the sync_level characteristic CM_NONE.
```

**Explanation**
The application program has called CMSPTR (Set_Prep_To_Receive_Type) with a prepare_to_receive_type parameter of CM_PREP_TO_RECEIVE_CONFIRM and with the sync_level characteristic set to CM_NONE.

**System action**
CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response**
Amend the application program to remove this conflict.

The z/VM: CPI Communications User's Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:**
DFHCPCS

**DFHCP0726I**

```sql
invalid receive_type parameter (X'receive_type') supplied on the CMSRT (Set_Receive_Type) verb.
```

**Explanation**
The application program has called CMSRT (Set_Receive_Type) with an invalid receive_type parameter.

**System action**
CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response**
Amend CMSRT in the application program to use a valid receive_type parameter.

The z/VM: CPI Communications User's Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:**
DFHCPCSI

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. X'receive_type'

**Destination**
CCPI

**DFHCP0727I**

```sql
invalid return_control parameter (X'return_control') supplied on the CMSRC (Set_Return_Control) verb.
```

**Explanation**
The application program has called CMSRC (Set_Return_Control) with an invalid return_control parameter.

**System action**
CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response**
Amend CMSRC in the application program to use a valid return_control parameter.

The z/VM: CPI Communications User's Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:**
DFHCPCSH
**Explanation**
The application program has called CMSRC (Set_Return_Control) with an invalid return_control parameter.

**System action**
CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.
The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response**
Amend CMSRC in the application program to use a valid return_control parameter.
The z/VM: CPI Communications User's Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:**
DFHCPCSJ

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. X'return_control'

**Destination**
CCPI

**Explanation**
The application program has called CMSRC (Set_Return_Control) with an invalid return_control parameter.

**User response**
Amend CMSRC in the application program to use a valid return_control parameter.
The z/VM: CPI Communications User's Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:**
DFHCPCSJ

**Destination**
CCPI

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. X'send_type'

**Explanation**
The application program has called CMSST (Set_Send_Type) with an invalid send_type parameter.

**System action**
CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.
The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response**
Amend CMSST in the application program to use a valid send_type parameter.
The z/VM: CPI Communications User's Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:**
DFHCPCSJ

**Destination**
CCPI

**DFHCP0728I** date time applid tranid
program_name conversation_ID
invalid send_type parameter
(X'send_type') supplied on the CMSST (Set_Send_Type) verb.

**Explanation**
The application program has called CMSST (Set_Send_Type) with an invalid send_type parameter.

**System action**
CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.
The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response**
Amend the application program to remove this conflict.
The z/VM: CPI Communications User's Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:**
DFHCPCSJ

**Destination**
CCPI

**DFHCP0729I** date time applid tranid
program_name conversation_ID
the supplied send_type parameter CM_SEND_AND_CONFIRM is incompatible with the current setting of the sync_level characteristic CM_NONE.
DFHCPCS\KL

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID

Destination

CCPI

DFHCP07301 date time applid tranid
program_name conversation_ID
invalid sync_level parameter
(X'sync_level') supplied on the
CMSSL (Set_Sync_Level) verb.

Explanation

The application program has called CMSSL
(Set_Sync_Level) with an invalid sync_level parameter.

System action

CICS returns control to the application program with
return_code CM_PROGRAM_PARAMETER_CHECK.
The CPI-C verb has no effect on either the
conversation or the conversation characteristics.

User response

Amend CMSSL in the application program to use a
valid sync_level parameter.
The z/VM: CPI Communications User's Guide manual,
(SC26-4399), provides a detailed description of all the
CPI-C verbs and how they should be called.

Module:

DFHCPCS\KL

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. 'X'sync_level'

Destination

CCPI

DFHCP0731I date time applid tranid
program_name conversation_ID
the supplied sync_level parameter
CM_NONE is incompatible
with the current setting of
the send_type characteristic
CM_SEND_AND_CONFIRM.

Explanation

The application program has called CMSSL (Set_Sync_Level) with a sync_level
parameter of CM_NONE. The send_type is
CM_SEND_AND_CONFIRM.

System action

CICS returns control to the application program with
return_code CM_PROGRAM_PARAMETER_CHECK.
The CPI-C verb has no effect on either the
conversation or the conversation characteristics.

User response

Amend the application program to remove this
conflict.
The z/VM: CPI Communications User's Guide manual,
(SC26-4399), provides a detailed description of all the
CPI-C verbs and how they should be called.

Module:

DFHCPCS\KL

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. 'X'sync_level'

Destination

CCPI

DFHCP0732I date time applid tranid
program_name conversation_ID
the supplied sync_level parameter
CM_NONE is incompatible
with the current setting of the
deallocate_type characteristic
deallocate_type.
**Explanation**
The application program has called CMSSL (Set_Sync_Level) with a sync_level parameter of sync_level. The deallocate_type is deallocate_type.

**System action**
CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK. The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response**
Amend the application program to remove this conflict.

The z/VM: CPI Communications User's Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:**
DFHCPCSL

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. sync_level
8. deallocate_type

**Destination**
CCPI

**DFHCPO734I**  
*date time applid tranid program_name conversation_ID*  
*tp_name_length parameter (tp_name_length) supplied on the CMSTPN (Set_TP_Name) verb is not in the range 1-64.*

**Explanation**
The application program has called CMSTPN (Set_TP_Name) with an tp_name_length parameter outside the range 1-64.

**System action**
CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK. The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response**
Amend CMSTPN in the application program to use a valid tp_name_length parameter.
The z/VM: CPI Communications User's Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:**
DFHCPCSM

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. tp_name_length

**Destination**
CCPI

| DFHCP0740I | date time applid tranid program_name | No incoming conversation to accept. |

**Explanation**
The application program has called CMACCP (Accept_conversation) when there is no incoming conversation.

**System action**
CICS returns control to the application program with return_code CM_PROGRAM_STATE_CHECK.

**User response**
Ensure that there is an incoming conversation to accept.

The z/VM: CPI Communications User's Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:**
DFHCPCAC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. program_name

**Destination**
CCPI

| DFHCP0741I | date time applid tranid program_name | Duplicate call to CMACCP (Accept_Conversation). |

**Explanation**
The application program has called CMACCP (Accept_conversation) more than once.

**System action**
CICS returns control to the application program with return_code CM_PROGRAM_STATE_CHECK.

**User response**
Amend the application program so that it only calls CMACCP once.

The z/VM: CPI Communications User's Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:**
DFHCPCAC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. program_name

**Destination**
CCPI

| DFHCP0742I | date time applid tranid program_name | Session is not available for CPI-C as it is already in use by another process. |

**Explanation**
The application program has called CMACCP (Accept_conversation) when it was already using the session for another process, for example, EXEC Interface DTP.
**System action**

CICS returns control to the application program with return_code CM_PRODUCT_SPECIFIC_ERROR.

**User response**

Ensure that the application uses only CPI-C on this session.

**Module:**

DFHCPCAC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. program_name

**Destination**

CCPI

**DFHCP0747I**

Program transaction conversation_ID CMCFM (Confirm) call conflicts with sync_level CM_NONE.

**Explanation**

The application program has called CMCFM (Confirm) when the sync_level is set to CM_NONE. This is not allowed.

**System action**

CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response**

Amend the application program so this conflict no longer occurs.

The z/VM: CPI Communications User’s Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:**

DFHCPCCM

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID

**Destination**

CCPI

**DFHCP0749I**

Unrecognized sym_dest_name (sym_dest_name) supplied on the CMINIT (Initialize_Conversation) verb.
**Explanation**
The application program has called CMINIT (Initialize_Conversation). The sym_dest_name parameter is unrecognized.

**System action**
CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.
The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response**
Amend the application program and the partner resource definition to ensure that the sym_dest_name parameter is correct.
The z/VM: CPI Communications User's Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:**
DFHCPCIC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. program_name
6. sym_dest_name

**Destination**
CCPI

**Explanation**
The application program has called CMRCV (Receive) with a requested_length parameter that has a value greater than 32767.

**System action**
CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.
The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response**
Amend the application program to use a valid value for the requested_length parameter.
The z/VM: CPI Communications User’s Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:**
DFHCPCRI, DFHCPCRW

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. requested_length

**Destination**
CCPI

**dfhcp0752i**

| date time applid tranid program_name conversation_ID requested_length |
|---------------------------------|-----------------------------|
| 1. date                          | 2. time                     |
| 3. applid                        | 4. tranid                   |
| 5. program_name                  | 6. conversation_ID          |
| 7. invalid GDS record            |                             |

**Explanation**
The application program has called CMSEND (Send_Data). Data passed on this call contains an invalid generalized data stream (GDS) record.

**Note:** This message is only issued on a basic conversation. That is, when conversation_type is set to CM_BASIC_CONVERSATION.

**System action**
The data is not sent.

CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User response**
Amend the application program to ensure that this parameter is correct.

The z/VM: CPI Communications User’s Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called together with information about GDS records.

The CICS documentation provides additional information about GDS records.

**Module:**
DFHCPCN1, DFHCPCN2, DFHCPCN3, DFHCPCN4, DFHCPCN5

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. send_length

**Explanation**
The application program has called CMSEND (Send_Data) with a send_length parameter that is not in the range 0-32767 bytes.

**System action**
CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

**User response**
The send_length parameter should not exceed 32767 bytes. Amend CMSEND to send data that is within the range 0-32767 bytes. This may entail sending the data in two chunks.

The z/VM: CPI Communications User’s Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Module:**
DFHCPCN1, DFHCPCN2, DFHCPCN3, DFHCPCN4, DFHCPCN5

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. send_length
Explanation
The application is using a basic conversation (that is, the conversation_type characteristic has been set to CM_BASIC_CONVERSATION).

The application has not sent all the data associated with the last Generalized Data Stream (GDS) record. However, the application has tried to send one of the following requests:

- a CMDEAL (Deallocate),
- a CMCFM (Confirm), or
- a CMPTR (Prepare_to_receive).

System action
CICS returns control to the application program with return_code CM_PROGRAM_STATE_CHECK. The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User response
Inspect the data sent to determine why the previous send was in error. Check if the error was caused by the application truncating the last record or if there was an error in one of the length fields which caused CPI-C to misinterpret the data-stream and amend the application program accordingly.

The z/VM: CPI Communications User’s Guide manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called together with information about GDS records.

The CICS documentation provides additional information about GDS records.

Module:
DFHCPCCLR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Explanation
A sense code received from the partner program on a remote system was unrecognized. This could be for one of two reasons.

- a protocol error, or
- the partner program is running on a later release and new sense codes have been added to the APPC architecture.

System action
CICS returns control to the application program with either return_code CM_DEALLOCATE_ABEND or CM_PROGRAM_ERROR_PURGING. This depends on whether the unrecognized sense code has been interpreted as an error or interpreted as a conversation abend.

Note:

tp_name is present only if this message is being issued on the front-end system.

User response
Use the sense code provided in the message and your knowledge of the two communicating systems to determine which of the two possible cases documented above is the error.

If the error is a protocol error, you need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHCPCCLR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. X'sense_code'
8. Value chosen from the following options:
   2=program,
   1=program-
9. tp_name

Destination
CCPI

DFHCP0757I  date time applid tranid program_name conversation_ID unrecognized netname netname supplied for CMALLC (Allocate) verb.

Explanation
The allocation of a session for this conversation failed due to an unrecognized netname netname.
This value is derived from the partner_lu_name specified either in the partner resource for the conversation, or on a CPI-C CMSPLN (set_partner_lu_name) verb.

System action
CICS returns control to the application program with return_code CM_PARAMETER_ERROR.
No session is allocated.

User response
Amend the application program to use a recognized netname.

Module:
DFHCPCLR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. mode_name

Destination
CCPI

DFHCP0758I  date time applid tranid program_name conversation_ID unrecognized mode_name mode_name supplied for CMALLC (Allocate) verb.

Explanation
The allocation of a session for this conversation failed due to an unrecognized mode_name mode_name.
This value is specified either in the profile named in the partner resource for the conversation, or on a CPI-C CMSMN (Set_mode_name) verb.

System action
CICS returns control to the application program with return_code CM_PARAMETER_ERROR.
No session is allocated.

User response
Amend the application program to use a recognized mode_name.

Module:
DFHCPCLR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. mode_name

Explanation
The allocation of a session for conversation conversation_id failed because the transaction
program (TP) specified in the conversation control block (CPC) is an SNA service TP. This is not allowed.

**System action**
CICS returns control to the application program with return_code CM_PARAMETER_ERROR.

**User response**
Amend the application program so that it uses a different TP.

**Module:**
DFHCPCAL

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. X’tp_name’

**Destination**
CCPI

**Explanation**
The allocation of a session has failed. This is because the partner_lu_name specified in the conversation control block (CPC) does not conform to the following rules.

1. The partner_lu_name may take one of the following forms:
   - Netname (1-8 characters long), or
   - Network.netname (where network and netname are EACH 1-8 characters long).
2. Netname and network both consist of the following character sets, where the first character is always alphabetic.
   - A-Z
   - a-z
   - @
   - $ 
   - #
   - 0-9

   **Note:** Lower case letters are translated to uppercase.

**System action**
The session is not allocated.
CICS returns control to the application program with return_code CM_PARAMETER_ERROR.

**User response**
Depending on the application, the partner_lu_name either comes from the partner resource (specified on the CMINIT (initialize_conversation) verb in the sym_dest_name parameter) or an optional CMSPLN (set_partner_lu_name) verb. This value needs to be changed to conform to the rules above.

**Module:**
DFHCPCAL

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. program_name
6. conversation_ID
7. partner_lu_name

**Destination**
CCPI

**Explanation**
The allocation of a session for conversation conversation_id has failed. This is because the mode_name mode_name specified in the conversation control block (CPC) is not allowed.

**System action**
No session is allocated.
CICS returns control to the application program with return_code CM_PARAMETER_ERROR.
User response
Amend the application program so that it uses a different mode_name.

Module:
DFHCPAL

XMEOUT parameters/Message inserts
1. date  
2. time  
3. applid  
4. tranid  
5. program_name  
6. conversation_ID  
7. mode_name

Destination
CCPI

DFHCP0763I date time applid tranid program_name conversation_ID the mode_name mode_name specified for the CMALLC (Allocate) verb is unknown to VTAM.

Explanation
The allocation of a session for conversation conversation_ID has failed. This is because the mode_name specified in the conversation control block (CPC) is known to the remote system, but is unknown to VTAM.

System action
No session is allocated.
CICS returns control to the application program with return_code CM_PARAMETER_ERROR.

User response
Amend the application program so that it uses a different mode_name.

Module:
DFHCPCIC

XMEOUT parameters/Message inserts
1. date  
2. time  
3. applid  
4. tranid  
5. program_name  
6. conversation_ID  
7. mode_name

Destination
CCPI

DFHCP0764I date time applid tranid program_name Partner Resource Manager is unavailable.

Explanation
The application program has called CMINIT (Initialize_Conversation), but the partner resource manager (which provides access to the partner resource table) is not available.

System action
CICS returns control to the application program with return_code CM_PRODUCT_SPECIFIC_ERROR.

User response
First determine whether message DFHPR0106 was issued during CICS initialization; if so, refer to the advice given for that message. Otherwise it appears that CICS-owned storage (either the static storage address list, or the PR static storage) has been overlaid. Refer to the Troubleshooting and support for guidance on how to deal with storage violations.

Module:
DFHCPCLR

XMEOUT parameters/Message inserts
1. date  
2. time  
3. applid  
4. tranid  
5. program_name

Destination
CCPI

DFHCP0765I date time applid tranid program_name conversation_ID CPI-C verb verb was disallowed because of the BACKOUT-REQUIRED program state.
Explanation
The CPI-C state machine has detected a state error. The verb "verb" cannot be issued in BACKOUT-REQUIRED program state.

System action
CICS returns control to the application program with return code CM_PROGRAM_STATE_CHECK.

User response
Amend the application program in accordance with the supplied guidelines. See the z/VM: CPI Communications User's Guide (SC26-4399), which contains a description of CPI-C verbs and how they should be called.

DFHCQunn messages

**Explanation**
An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a three 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, OC1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; TS1310 refers to message DFHTS1310).

**System action**
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the z/OS MVS System Codes manual. Then look up the CICS alphanumeric code. This tells you, for example, whether the error is a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Note:**
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHCQCQ, DFHCQSY

XMEOUT parameters/Message inserts
1. applid
2. *aaa/bbbb*
3. *X'offset'*
4. *modname*

**Destination**
Console
A severe error (code X'code') has occurred in module modname.

**Explanation**

An error has been detected in module modname. The code X'code' is the exception trace point id which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the Troubleshooting and support.

**System action**

An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

The severity of this error depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Note:**

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:**

DFHCQCQ, DFHCSY

**XMEOUT parameters/Message inserts**

1. applid
2. X'code'

---

**Destination**

Console

DFHCQ0100I applid Console queue initialization has started.

**Explanation**

Console queue initialization has started.

**System action**

System initialization continues.

**User response**

None. The message can be suppressed with the system initialization parameter MSGVLVL=0.

**Note:**

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:**

DFHCQCQ

**XMEOUT parameters/Message inserts**

1. applid

---

**Destination**

Console

DFHCQ0101I applid Console queue initialization has ended.

**Explanation**

Console queue initialization has completed successfully.

**System action**

System initialization continues.

**User response**

None. The message can be suppressed with the system initialization parameter MSGVLVL=0.

**Note:**

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.
Module: DFHCQSY

XMEOUT parameters/Message inserts

1. applid

Destination

Console

DFHCQ0102I applid Console queue initialization has failed.

Explanation

Console queue initialization has failed.

System action

Provided there are no subsequent serious errors which prevent further initialization of CICS, CICS issues one of two messages depending on what other errors, if any, have occurred during initialization.

If DFHSI1521 is issued, CICS initialization is terminated. If DFHSI1522 is issued, decide if CICS initialization is to be continued in degraded mode or to be terminated.

User response

Check previous console messages, one of which should explain why console queue initialization has failed.

Note:

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module: DFHCQSY

XMEOUT parameters/Message inserts

1. applid

Destination

Console

DFHCQ0103I applid MVS console queue is open.

Explanation

CICS sets a limit of 255, the MVS maximum, on the number of modify commands that can be queued at any time to invoke transactions, for example CEMT.

If this internal limit is reached CICS will reject further modify commands unless these invoke transaction CEKL.

System action

System initialization continues.

User response

None. The message can be suppressed with the system initialization parameter MSGLVL=0.

Note:

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module: DFHCQSY

XMEOUT parameters/Message inserts

1. applid

Destination

Console

DFHCQ0104I applid MVS console queue is closed.

Explanation

CICS will not accept any modify commands from MVS.

System action

System termination continues.

User response

None. The message can be suppressed with the system initialization parameter MSGLVL=0.

Note:

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module: DFHCQSY

XMEOUT parameters/Message inserts

1. applid
**Destination**

Console

DFHCQ0105I applid CICS is busy. MVS modify command has been rejected.

**Explanation**

CICS can not accept the modify command as 254 modify commands to invoke transactions are currently queued.

**System action**

CICS rejects the modify command.

**User response**

The severity of this error depends on how many terminal definitions are being autoinstalled in your CICS system at the time you entered the modify command.

If the message recurs when you reenter the modify command you can use the CEKL INQUIRE and SET commands to identify the user tasks in your system and which, if any, should be removed from your system.

**Module:** DFHCQSY

**Destination**

Console

DFHCQ0200I applid CEKL transaction enabled.

**Explanation**

CICS supports CEKL INQUIRE and CEKL SET commands.

**System action**

CICS continues normally.

**User response**

You can use the CEKL INQUIRE and CEKL SET commands from a console device.

**Note:**

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:** DFHCQSY

**Destination**

Console

DFHCQ0210I applid CEKL command ignored; INQUIRE or SET keyword must be specified.

**Explanation**

The CEKL command has been rejected.

The INQUIRE or SET keyword is expected; neither has been specified.
**System action**
The system continues normally.

**User response**
Check the syntax of the CEKL command.

**Module:** DFHCQSY

**Destination**
Console

**DFHCQ0211I** applid CEKL command ignored; input expected.

**Explanation**
The CEKL command has been rejected.
A keyword is expected but has not been specified.

**System action**
The system continues normally.

**User response**
Check the syntax of the CEKL command.

**Module:** DFHCQSY

**Destination**
Console

**DFHCQ0212I** applid CEKL command ignored; input beginning input is too long.

**Explanation**
The CEKL command has been rejected.
The input beginning input is too long; for example a transaction class name that is longer than 9 bytes.

**System action**
The system continues normally.

**User response**
Check the syntax of the CEKL command.

**Module:** DFHCQSY

**Destination**
Console

**DFHCQ0213I** applid CEKL command ignored; keyword, keyword is repeated.

**Explanation**
The CEKL command has been rejected.
Keyword keyword has been specified more than once.

**System action**
The system continues normally.

**User response**
Check the syntax of the CEKL command.

**Module:** DFHCQSY

**Destination**
Console

**DFHCQ0214I** applid CEKL command ignored; invkwd is not supported.

**Explanation**
The CEKL command has been rejected.
invkwd is not a valid keyword.

**System action**
The system continues normally.

**User response**
Check the syntax of the CEKL command.

**Module:** DFHCQSY

**Destination**
Console

**DFHCQ0215I** applid CEKL command ignored; keyword, invkwd is ambiguous.

**Explanation**
The CEKL command has been rejected.
Keywords can be abbreviated provided that the abbreviated keyword is unique; for example TRANSID
and TRANCLASS can be abbreviated to TRANS and TRANC respectively but not to TRAN.

**System action**
The system continues normally.

**User response**
Check the syntax of the CEKL command.

**Module:**
DFHCQSY

**Destination**
Console

**DFHCQ0216I** applid CEKL command ignored; invval is non-numeric.

**Explanation**
The CEKL command has been rejected.
A non-numeric keyword value has been specified where a numeric value is expected; for example TASK(12345) is valid, TASK(abcde) is invalid.

**System action**
The system continues normally.

**User response**
Check the syntax of the CEKL command.

**Module:**
DFHCQSY

**Destination**
Console

**DFHCQ0217I** applid CEKL command ignored; invkwd is out of range.

**Explanation**
The CEKL command has been rejected.
A keyword value has been specified which lies outside the range of values supported for the keyword; for example task numbers must be in the range 1-99999.

**System action**
The system continues normally.

**User response**
Check the syntax of the CEKL command.

**Module:**
DFHCQSY

**Destination**
Console

**DFHCQ0220I** applid CEKL INQUIRE command ignored; TASK keyword must be specified.

**Explanation**
The CEKL INQUIRE command has been rejected.
The TASK keyword is expected but has not been specified.

**System action**
The system continues normally.

**User response**
Check the syntax of the CEKL command.

**Module:**
DFHCQSY

**Destination**
Console

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DFHCQ0221I applid CEKL INQUIRE command ignored; keyword expected.

Explanation
The CEKL INQUIRE command has been rejected.
A keyword is expected but has not been specified.

System action
The system continues normally.

User response
Check the syntax of the CEKL command.
Module: DFHCQSY

Destination
Console

DFHCQ0224I applid CEKL INQUIRE command ignored; keywords conflict.

Explanation
The CEKL INQUIRE command has been rejected.
Conflicting keywords have been specified.

System action
The system continues normally.

User response
Check the syntax of the CEKL command.
Module: DFHCQSY

Destination
Console

DFHCQ0230I applid CEKL SET command ignored; TASK keyword must be specified.

Explanation
The CEKL SET command has been rejected.
The TASK keyword is expected but has not been specified.

System action
The system continues normally.

User response
Check the syntax of the CEKL command.
Module: DFHCQSY

Destination
Console

DFHCQ0231I applid CEKL SET command ignored; keyword expected.

Explanation
The CEKL SET command has been rejected.
A keyword is expected but has not been specified.

System action
The system continues normally.

User response
Check the syntax of the CEKL command.
Module: DFHCQSY

Destination
Console

DFHCQ0232I applid CEKL SET command ignored; task number must be specified.

Explanation
The CEKL SET command has been rejected.
The TASK keyword must be qualified by taskno.

System action
The system continues normally.

User response
Check the syntax of the CEKL command.
Module: DFHCQSY
**Destination**
Console

**DFHCQ0233I** applid CEKL SET command ignored; PURGE or FORCEPURGE or KILL keyword must be specified.

**Explanation**
The CEKL SET command has been rejected.
A keyword, PURGE or FORCEPURGE or KILL, is expected but has not been specified.

**System action**
The system continues normally.

**User response**
Check the syntax of the CEKL command.

**Module:**
DFHCQSY

**Destination**
Console

**DFHCQ0241I** applid CEKL INQUIRE: task number taskno, found.

**Explanation**
Task number taskno has been found.

**System action**
CICS displays information about task taskno on the console and job log.

**User response:**
Check the options specified on the CEKL command.

**Module:**
DFHCQSY

**Destination**
Console

**DFHCQ0242I** applid CEKL INQUIRE: no tasks matched selection criteria.

**Explanation**
CICS has not found any tasks that match the options specified on the CEKL INQUIRE command.

**System action**
The system continues normally.

**User response**
Check the options specified on the CEKL command.
For example specify a lower value for the SUSPENDED option.

**Module:**
DFHCQSY

**Destination**
Console

**DFHCQ0240I** applid CEKL INQUIRE: task number taskno not found.

**Explanation**
Task number taskno has not been found.
Destination
Console

**DFHCQ0243I** applid CEKL INQUIRE: notasks
task(s) matched selection criteria.

**Explanation**
notasks tasks have been found matching the options specified on the CEKL INQUIRE command.

**System action**
CICS displays information about these tasks on the console and job log.

**User response**
You should use the information to determine, which task, if any, should be removed from your system.
If the list of tasks is too long you may decide to invoke the CEKL INQUIRE command again specifying a different set of options.

**Module:**
DFHCQSY

**Destination**
Console

**DFHCQ0250I** applid CEKL SET: task number
not found.

**Explanation**
The request to remove task number taskno from the system has been rejected.
The task can not be found.

**System action**
The system continues normally.

**User response**
Check the value that you specified for taskno.
If this is correct then the task has been removed from the system.

**Module:**
DFHCQSY

**Destination**
Console

**DFHCQ0252I** applid CEKL SET: PURGE request
issued for task number taskno.

**Explanation**
A request has been passed to the dispatcher to purge task number taskno.

**System action**
CICS continues normally.

**User response**
The CEKL INQUIRE TASK(taskno) command can be used to display the progress of the request.

**Module:**
DFHCQSY

**Destination**
Console

**DFHCQ0253I** applid CEKL SET: PURGE request
ignored; task number taskno is being purged.

**Explanation**
The request to purge number taskno has been ignored.
A previous request was passed to the dispatcher to purge the task.

**System action**
CICS continues normally.

**User response**
None.

**Module:**
DFHCQSY

**Destination**
Console

**DFHCQ0254I**  
applid CEKL SET: PURGE request ignored; task number taskno is being forcepurged.

**Explanation**
The request to purge number taskno has been ignored.
A previous request was passed to the dispatcher to forcepurge the task.

**System action**
CICS continues normally.

**User response**
None.

**Module:**
DFHCQSY

**Destination**
Console

**DFHCQ0255I**  
applid CEKL SET: FORCEPURGE request issued for task number taskno.

**Explanation**
The request has been passed to the dispatcher to forcepurge task number taskno.

**System action**
CICS continues normally.

**User response**
The CEKL INQUIRE TASK(taskno) command can be used to display the progress of the request.

**Module:**
DFHCQSY

**Destination**
Console

**DFHCQ0256I**  
applid CEKL SET: FORCEPURGE request issued for task number taskno.

**Explanation**
The request to kill forcepurge number taskno has been ignored.
A previous request was passed to the dispatcher to forcepurge the task.

**System action**
CICS continues normally.

**User response**
None.

**Module:**
DFHCQSY

**Destination**
Console

**DFHCQ0257I**  
applid CEKL SET: FORCEPURGE request ignored; task number taskno is being forcepurged.

**Explanation**
The request to kill forcepurge number taskno has been ignored.
A previous request was passed to the dispatcher to forcepurge the task.
Destination
Console

**DFHCQ0258I** applid CEKL SET: FORCEPURGE request ignored; task number taskno is being killed.

**Explanation**
The request to forcepurge number taskno has been ignored.
A previous request was passed to the dispatcher to kill the task.

**System action**
CICS continues normally.

**User response**
None.

**Module:** DFHCQSY

Destination
Console

**DFHCQ0259I** applid CEKL SET: KILL request issued for task number taskno.

**Explanation**
A request has been passed to the dispatcher to kill task number taskno.

**System action**
CICS continues normally.

**User response**
The CEKL INQUIRE TASK(taskno) command can be used to display the progress of the request.

**Module:** DFHCQSY

Destination
Console

**DFHCQ0260I** applid CEKL SET: KILL request ignored; task number taskno is being killed.

**Explanation**
The request to kill task number taskno has been ignored.
A previous request was passed to the dispatcher to kill the task.

**System action**
CICS continues normally.

**User response**
The CEKL INQUIRE TASK(taskno) command can be used to display the progress of the request.

**Module:** DFHCQSY

Destination
Console

**DFHCQ0261I** applid CEKL SET: PURGE request rejected for system task number taskno.

**Explanation**
The request to purge system task number taskno from the system has been rejected.

**System action**
The system continues normally.

**User response**
None.

**Module:** DFHCQSY

Destination
Console

**DFHCQ0262I** applid CEKL SET: FORCEPURGE request rejected for system task number taskno.

**Explanation**
The request to forcepurge system task number taskno from the system has been rejected.

**System action**
The system continues normally.
User response
None.

Module:
DFHCQSY

Destination
Console

DFHCQ0263I applid CEKL SET: KILL request rejected for system task number taskno.

Explanation
The request to kill system task number taskno from the system has been rejected.

System action
The system continues normally.

User response
None.

Module:
DFHCQSY

Destination
Console

DFHCQ0264I applid CEKL SET: PURGE request rejected; task number taskno is not purgeable.

Explanation
The request to purge task number taskno from the system has been rejected. The transaction definition specifies SPURGE(NO).

System action
The system continues normally.

User response
Retry the request to remove the task from the system specifying either the FORCEPURGE or the KILL option.

Module:
DFHCQSY

Destination
Console

DFHCQ0265I applid CEKL SET: FORCEPURGE request ignored; task number taskno is being purged.

Explanation
The request to forcepurge task number taskno has been rejected.

A request to remove the task from the system has been made and deferred as it has not yet been attached to the dispatcher; the task either belongs to a transaction class that is at its MAXACTIVE limit or the system is at its MXT limit.

System action
CICS will purge the task when it has been attached to the dispatcher.

User response
If the task can not be attached to the dispatcher because the system is under stress then
• the CEKL INQUIRE command can be used to identify another task that is already attached to the dispatcher
• the CEKL SET command can be used to remove that task from the system so reducing the stress

Module:
DFHCQSY

Destination
Console

DFHCQ0266I applid CEKL SET: KILL request ignored; task number taskno is being purged.

Explanation
The request to kill task number taskno has been rejected.

A request to remove the task from the system has been made and deferred as it has not yet been attached to the dispatcher; the task either belongs to a transaction class that is at its MAXACTIVE limit or the system is at its MXT limit.

System action
CICS will purge the task when it has been attached to the dispatcher.
User response
If the task can not be attached to the dispatcher because the system is under stress then
• the CEKL INQUIRE command can be used to identify another task that is already attached to the dispatcher
• the CEKL SET command can be used to remove that task from the system so reducing the stress

DFHCRnnnn messages

DFHCR4300 date time applid Transaction tranid not executed on terminal termid on system sysid. Transaction invalid on that system

Explanation
A request was made to start a task on remote system sysid. The request could not run because transaction tranid is not defined on system sysid.

This message is also displayed for static routing under the following circumstances:
• The transaction transid is not eligible for enhanced routing and
• The transaction is defined on system sysid with a REMOTESYSTEM name that does not match the name of the connection to this system (or the name of an intermediate system, if the request is daisy-chained).

System action
Other processing continues.

User response
Ensure that terminal termid and transaction tranid are defined correctly on system sysid.

Module: DFHCRS

Destination
CSMT

DFHCR4301 date time applid Transaction tranid not executed on terminal termid on system sysid. Terminal invalid on that system

Explanation
A request was made to schedule a task on remote system sysid. The request could not be executed because terminal termid is not defined on system sysid.

System action
Other processing continues.

User response
Ensure that terminal termid and transaction tranid are defined on system sysid.

Module: DFHCRS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. termid
6. sysid

Destination
CSMT

DFHCR4302 date time applid Transaction tranid not executed on terminal termid on system sysid. Schedule request failed on that system
Explanation

A request was made to schedule a task on remote system sysid. The request could not be executed.

System action

Other processing continues.

User response

Check the system definition tables of the remote system to determine why schedule requests might not be honored.

Module:
DFHCRRS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. termid
6. sysid

Destination

CSMT

DFHCR4310 Request from system sysid to initiate transaction tranid on that system on terminal termid was not executed. Transaction invalid on this system.

Explanation

A request was received from remote system sysid to start transaction tranid on system sysid on terminal termid. The request could not be met because transaction tranid is not defined in this system.

This message is also displayed for static routing under the following circumstances:

• The transaction tranid is not eligible for enhanced routing and
• The transaction is defined with a REMOTESYSTEM name that does not match the name of the connection to the remote system sysid that sent the request (or the name of an intermediate system, if the request is daisy-chained).

System action

Processing continues.

User response

Ensure that terminal termid and transaction tranid are defined correctly on both systems.

Module:
DFHCRRS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. sysid
5. tranid
6. termid

Destination

CSMT

DFHCR4311 Request from system sysid to initiate transaction tranid on that system on terminal termid was not executed. Terminal invalid on this system.

Explanation

A request was received from remote system sysid to initiate transaction tranid on system sysid on terminal termid. The request could not be honored because terminal termid is not defined on this system.

System action

Processing continues.

User response

Ensure that terminal termid and transaction tranid are defined on both systems.

Module:
DFHCRRS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. sysid
5. tranid
6. termid
Destination
CSMT

**DFHCR4312** *date time applid* Request from system *sysid* to initiate transaction *tranid* on that system on terminal *termid* was not executed. Schedule request failed

**Explanation**
A request was received from remote system *sysid* to initiate transaction *tranid* on system *sysid* on terminal *termid*. The request could not be honored because the schedule request failed.

**System action**
Processing continues.

**User response**
Check the system definition tables of the local system to determine why schedule requests might not be honored.

**Module:** DFHCRS

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *sysid*
5. *tranid*
6. *termid*

**Destination**
CSMT

**DFHCR4314** *date time applid* Request to initiate transaction *tranid* on remotely owned terminal *termid* has been purged. Request was not deliverable to system *sysid* within the ATI purge delay time interval.

**Explanation**
A request to initiate transaction *tranid* was not delivered to system *sysid*, probably because a link to system *sysid* had not been made available.

**System action**
Processing continues.

**User response**
Ensure that a link to system *sysid* is made available between issuing the transaction initiation request and the elapse of the ATI purge delay time interval.

**Module:** DFHCRO

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *tranid*
5. *termid*
6. *sysid*

**Destination**
CSMT

**DFHCR4315** *date time applid* Request to initiate transaction *tranid* on remotely owned terminal *termid* has been purged. System *sysid* has not responded within the ATI purge delay time interval.

**Explanation**
A request to initiate transaction *tranid* was sent to system *sysid*. System *sysid* acknowledged the request but did not respond within the ATI purge delay time interval. If system *sysid* eventually responds, the task will not be executed.

**System action**
Processing continues.

**User response**
Determine why system *sysid* did not respond. The system did not respond because
1. the task started and abnormally terminated, or
2. the task failed a security check, or
3. system *sysid* abnormally terminated and all details of the request were lost.

**Module:** DFHCRO
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. termid
6. sysid

Destination
CSMT

DFHCSnnnn messages

**DFHCS0001** NO PARAMETER SPECIFIED ON EXEC CARD

**Explanation**
The user did not specify a PARM statement on the EXEC card. **sysact**. The batch job ends return code 12.

**System action:**

**User response**
Specify a valid PARM statement on the EXEC card.

**Module:**
DFHCSVCU

**Destination**
Console

**DFHCS0002** INVALID SVC PARAMETER SPECIFIED, VALUE

**Explanation**
The parameter specified does not contain an SVCnnn parameter.

**System action**
The batch job ends with return code 12.

**User response**
Resubmit specifying keyword SVCnnn on the PARM statement

**Module:**
DFHCSVCU

**Destination**
Console

**DFHCS0003** INVALID SVC NUMBER SPECIFIED, IS GREATER THAN 255.

**Explanation**
An SVC (supervisor call) number greater than 255 was specified.

**System action**
The batch job ends with return code 12.

**User response**
Resubmit specifying an SVC number greater than 199 and lower than 256.

**Module:**
DFHCSVCU

**Destination**
Console

**DFHCS0004** INVALID SVC NUMBER SPECIFIED, IS LOWER THAN 200.

**Explanation**
An SVC(supervisor call) number lower than 200 was specified.

**System action**
The batch job ends with return code 12.

**User response**
Resubmit specifying an SVC number greater than 199 and lower than 256.

**Module:**
DFHCSVCU

**Destination**
Console

**DFHCS0005** INVALID MODULE NAME SPECIFIED, LENGTH EXCEEDS 8 CHARACTERS.
Explanation
The module name specified on the PARM statement is greater than 8 characters.

System action
The batch job ends with return code 12.

User response
Resubmit specifying a module name equal to or less than 8 characters.

Module:
DFHCSVCU

Destination
Console

DFHCS0006  THE SVC TYPE FOR SVC IS INVALID.

Explanation
The SVC(supervisor call) number specified is not a Type 3 SVC.

System action
The batch job ends with return code 12.

User response
Resubmit specifying an SVC number that is a Type 3 SVC.

Module:
DFHCSVCU

Destination
Console

DFHCS0007  OPERATOR REJECTED REQUEST

Explanation
The operator has replied No to the message asking for confirmation.

System action
The batch job ends with return code 12.

User response
Determine why the operator replied No.

Module:
DFHCSVCU

Destination
Console

DFHCS0008  REQUEST BY USER userID TO
(CREATE / REPLACE) SVC NUMBER nnn. REPLY YES OR NO

Explanation
User userID has submitted a request to create or replace SVC number nnn with a new CICS SVC from the LPA.
The operator is requested to accept or reject this request.

System action
A WTOR is issued to the console.

User response
The operator must answer YES or NO.

Module:
DFHCSVCU

Destination
Console

DFHCS0009  MODULE NAME MUST BE DFHCSVC OR DFHCSnnn.

Explanation
The module name specified on the PARM statement is invalid.

System action
The batch job ends with return code 12.

User response
Specify a valid module name for the CICS SVC.

Module:
DFHCSVCU

Destination
Console
### DFHCZnnnn messages

<table>
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<tr>
<th>Message ID</th>
<th>Parameters/Message Inserts</th>
<th>Explanation</th>
<th>System action</th>
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</thead>
<tbody>
<tr>
<td>DFHCZ0105</td>
<td><code>date time applid userid termid program_name CICS</code>&lt;br&gt;<code>event summary: class::method condition=X'resp' (resptext)</code>&lt;br&gt;<code>minor=X'resp2'</code></td>
<td><strong>Explanation</strong>&lt;br&gt;This message is issued whenever the method <code>IccEvent::summary</code> is called, and it gives the summary details of the event (CICS call).&lt;br&gt;For further guidance, see the Foundation Classes: reference.&lt;br&gt;&lt;br&gt;<strong>System action</strong>&lt;br&gt;The system creates an exception entry in the trace table and writes this message to the TD queue CCZM.&lt;br&gt;&lt;br&gt;<strong>User response</strong>&lt;br&gt;This message is issued for information only and there is no specific user action needed in response.&lt;br&gt;&lt;br&gt;<strong>Module:</strong> ICCEVTEC&lt;br&gt;&lt;br&gt;<strong>XMEOUT parameters/Message inserts</strong>&lt;br&gt;1. <code>date</code>&lt;br&gt;2. <code>time</code>&lt;br&gt;3. <code>applid</code>&lt;br&gt;4. <code>userid</code>&lt;br&gt;5. <code>termid</code>&lt;br&gt;6. <code>tranid</code>&lt;br&gt;7. <code>program_name</code>&lt;br&gt;8. <code>class</code>&lt;br&gt;9. <code>method</code>&lt;br&gt;10. <code>X'resp'</code>&lt;br&gt;11. <code>resptext</code>&lt;br&gt;12. <code>X'resp2'</code>&lt;br&gt;&lt;br&gt;<strong>Destination</strong>&lt;br&gt;CCZM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DFHCZ0108</td>
<td><code>date time applid userid termid program_name CICS exception summary: exceptno class::method type=type.</code></td>
<td><strong>Explanation</strong>&lt;br&gt;This message is issued whenever the method <code>IccException::summary</code> is called, and it gives the summary details of the exception.&lt;br&gt;The message related to the exception can be obtained by calling the method <code>IccException::message</code>.&lt;br&gt;For further guidance, see the Foundation Classes: reference.&lt;br&gt;&lt;br&gt;<strong>System action</strong>&lt;br&gt;The system creates an exception entry in the trace table and writes this message to the TD queue CCZM.&lt;br&gt;&lt;br&gt;<strong>User response</strong>&lt;br&gt;This message is issued for information only and there is no specific user action needed in response.&lt;br&gt;&lt;br&gt;<strong>Module:</strong> ICCEXCEC&lt;br&gt;&lt;br&gt;<strong>XMEOUT parameters/Message inserts</strong>&lt;br&gt;1. <code>date</code>&lt;br&gt;2. <code>time</code>&lt;br&gt;3. <code>applid</code>&lt;br&gt;4. <code>userid</code>&lt;br&gt;5. <code>termid</code>&lt;br&gt;6. <code>tranid</code>&lt;br&gt;7. <code>program_name</code>&lt;br&gt;8. <code>exceptno</code>&lt;br&gt;9. <code>class</code>&lt;br&gt;10. <code>method</code>&lt;br&gt;11. <code>type</code>&lt;br&gt;&lt;br&gt;<strong>Destination</strong>&lt;br&gt;CCZM</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**Chapter 2. CICS messages 509**
For further guidance, see the Foundation Classes: reference.

System action
The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User response
You need to correct the cause of the underlying CICS failure before retrying this command. You should look at other messages and the trace log for further indication of the root cause.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
ICCRESEC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. class
9. method
10. condition

Destination
CCZM

DFHCZ09

date time applid userid
termid tranid program_name
class::method This constructor/operator failed because it is not supported on the current platform of env.

Explanation
The constructor/operator reported in the message failed because it is not supported on the current platform (MVS).

For further guidance, see the Foundation Classes: reference.

System action
The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.
**User response**

If the calling program is user written then you need to establish why this program was running on an MVS platform; and then, either change the program not to call this method, or change the platform as appropriate.

If you are using vendor written software that fails in this way, you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

ICCCONEC, ICCJRNEC, ICCRIDEC, ICCSESEC, ICCUSREC

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. userid  
5. termid  
6. tranid  
7. program_name  
8. class  
9. method  
10. env

**Destination**

CCZM

**Explanation**

The method/operator reported in the message failed because CICS has been configured to restrict its functionality to that of the CICS family subset. This method/operator is not part of this subset.

For further guidance, see the Foundation Classes: reference.

**System action**

The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User response**

If the calling program is user written, then you need to establish why this method/operator was called; and if appropriate, switch off the CICS family subset enforcement or change the program to avoid using this method/operator.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

ICCCONEC, ICCJRNEC, ICCRIDEC, ICCSESEC, ICCUSREC

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. userid  
5. termid  
6. tranid  
7. program_name  
8. class  
9. method

**Destination**

CCZM

**Explanation**

The method reported in the message failed because it is not supported on the current platform of env.

For further guidance, see the Foundation Classes: reference.
**System action**
The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User response**
If the calling program is user written then you need to establish why this program was running on an MVS platform, and then either change the program not to call this method or change the platform as appropriate.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
ICCABDEC, ICCCLKEC, ICCCONEC, ICCCTLEC, ICCSESEC, ICCSRQIC, ICCTMDEC, ICCTRMEC, ICCTSKEC

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. class
9. method
10. env

**Destination**
CCZM

**Explanation**
The method reported in the message failed because CICS has been configured to restrict its functionality to that of the CICS family subset. This method is not part of this.

For further guidance, see the Foundation Classes: reference.

**System action**
The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User response**
If the calling program is user written then you need to establish why this method was called, and if appropriate, switch off the CICS family subset enforcement or change the program to avoid using this method.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
ICCABDEC, ICCCLKEC, ICCCONEC, ICCCTLEC, ICCSESEC, ICCSRQIC, ICCTMDEC, ICCTRMEC, ICCTSKEC

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. class
9. method
10. env

**Destination**
CCZM

**Explanation**
The method reported in the message failed because the object being accessed was incomplete.

**System action**
The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User response**
If the calling program is user written then you need to establish why this method was called, and if appropriate, switch off the CICS family subset enforcement or change the program to avoid using this method.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
ICCABDEC, ICCCLKEC, ICCCONEC, ICCCTLEC, ICCSESEC, ICCSRQIC, ICCTMDEC, ICCTRMEC, ICCTSKEC

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. class
9. method
10. env

**Destination**
CCZM

**Explanation**
The method reported in the message failed because the object being accessed was incomplete as shown below:
Destination
CCZM

DFHCZ0115  

date  time  applid  userid  
termid  tranid  program_name  

class:::method  This method failed because the object being accessed had a reference to an input message while the program was invoked via the remote program link.

Explanation
The method reported in the message failed because the object being accessed had a reference to an input message and was invoked through the use of the remote program link. This combination is not supported.

For further guidance, see the Foundation Classes: reference.

System action
The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User response
If the calling program is user written then you need to change it so that the object being accessed, either does not have an input message, or the program is not invoked through the use of the remote program link.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
ICCPRGEC

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. class
9. method
This method failed because the object being accessed was not one of the supported classes.

Explanation

The method reported in the message failed because the object being accessed was not one of the supported classes; IccDataQueue, IccFile, IccFileIterator, IccProgram, IccStartRequestQ, IccTempStore.

For further guidance, see the Foundation Classes: reference.

System action

The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User response

If the calling program is user written then you need to change it so that the object is of the correct type before it is accessed in this way.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:

ICCRESEC

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. class
9. method
10. object_type
This method failed because the object being accessed did not have a reference for the resource resource.

Explanation
The method reported in the message failed because the object being accessed did not have all the resources it needs allocated to it.

For example, the method call, IccFile::readRecord(mode, updateToken), would fail in this way if the object being accessed did not have a valid reference of a record index.

For further guidance, see the Foundation Classes: reference.

System action
The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User response
If the calling program is user written then you need to change it, so that the object has the correct resources allocated to it before it is accessed in this way.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
ICCFILEC, ICCFILIC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. class

This method failed because the current number of nested program calls made using this method is already at the maximum of max.

Explanation
The method reported in the message failed because its usage is restricted to a maximum of 15 nested calls, while the current request would cause this to be exceeded.

For further guidance, see the Foundation Classes: reference.

System action
The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User response
If the calling program is user written then you need to change it so that it does not cause the depth of nesting to exceed 15.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
ICCPRGEC
9. method
10. max

Destination
CCZM

DFHCZ0121  date time applid userid
termid tranid program_name
class::method This method failed because the call is invalid for the object being accessed. The resource type of the object is resourcetype.

Explanation
The method reported in the message failed because the method is only valid for a restricted set of resource types, and is invalid for the object being accessed.

This method is valid for the following resource types; cDataQueue, cFile, cFileIterator, cProgram, cStartRequestQ, cTempStore.

For further guidance, see the Foundation Classes:reference.

System action
The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User response
If the calling program is user written then you need to change it so that it does not call this method for this type of object.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: ICCFILEC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid

7. program_name
8. class
9. method
10. resourcetype

Destination
CCZM

DFHCZ0122  date time applid userid
termid tranid program_name
class::method This method failed because the optional parameter named pname was set, which is invalid for the current environment of env.

Explanation
The method reported in the message failed because it detected that an optional parameter was set which is invalid for the current environment.

For further guidance, see the Foundation Classes:reference.

System action
The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User response
If the calling program is user written then you need to establish why the optional parameter was being used, and if appropriate, change the environment or change the program to avoid using this option.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: ICCFILEC ICCFLIIC ICCSEMEC ICCSESIC ICCSRQEC ICCSYSEC ICCTIMEC ICCTSKEC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
This method failed because the optional parameter named `pname` was set, which is invalid because the system is configured with CICS family subset enforcement.

**Explanation**

The method reported in the message failed because it detected that an optional parameter was set which is invalid when CICS is configured to restrict its functionality to that of the CICS family.

For further guidance, see the Foundation Classes: reference.

**System action**

The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User response**

If the calling program is user written then you need to establish why the optional parameter was being used, and if appropriate, switch off the CICS family subset enforcement or change the program to avoid using this option.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

ICCFILIC, ICCFLIIC, ICCSEMEC, ICCSESIC, ICCSRQEC, ICCSYSEC, ICCTIMEC, ICCTSKEC

**XMEOUT parameters/Message inserts**

1. `date`
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. class
9. method
10. env

Destination
CCZM

DFHCZ0126  date time applid userid termid tranid program_name class::method This method failed because the object being accessed had a buffer containing function management headers (FMHs), which is invalid because the system is configured with CICS family subset enforcement.

Explanation
The method reported in the message failed because the system detected a buffer containing a function management header (FMH), which is invalid when CICS is configured to restrict its functionality to that of the CICS family.

FMH headers are used in SNA communication protocols and during 3270 terminal error conditions.

For further guidance, see the Foundation Classes: reference.

System action
The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User response
If the calling program is user written then you need to establish why the system used a buffer containing FMH headers, and if appropriate, switch off CICS family subset enforcement or change the program to avoid using this function.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
ICCSRQEC

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. class
9. method

Destination
CCZM

DFHCZ0127  date time applid userid termid tranid program_name class::method This method failed because the value of the parameter named pname, specified as length, was not within the range 1 to max.

Explanation
The method reported in the message failed because the value passed in for the named parameter was invalid.

For example, assuming the definition, IccResource::IccResourceId(cFileId,"ABC"), the call, assign(9999,"PQRS"), would fail because the length value of 9999 is invalid.

For further guidance, see the Foundation Classes: reference.

System action
The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, throws an exception, and completes the request having truncated the excess data.
User response

If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
ICCRIDEC

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. class
9. method
10. pname
11. length
12. max

Destination
CCZM

DFHCZ0128 date time applid userid termid tranid program_name class::method This method failed because the length of the parameter named pname, specified as length, was not within the range 1 to max.

Explanation
This is an internal logic error.

System action
The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User response

You will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
ICCSESEC

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. class
9. method
10. pname
11. length
12. max

Destination
CCZM

DFHCZ0129 date time applid userid termid tranid program_name class::method This method detected an exception which resulted in data being truncated.

Explanation
The method/operator reported in the message failed because the target object was not big enough and could not be extended to accommodate the new string.

For example, assuming the definition, IccBuf buffer(5,IccBuf::fixed), the assignment, buffer = "toolong", would fail because the length of "toolong" is greater than 5. The resulting text value of the object buffer would be "toolo".

For further guidance, see the Foundation Classes: reference.

System action
The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, throws an exception, and completes the request having truncated the excess data.
User response
If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
ICCBUFIC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. class
9. method

Destination
CCZM

DFHCZ0130 date time applid userid 
termid tranid program_name 
class::method This method/operator failed because the parameter pname contained a string of length length, while the maximum allowed is max.

Explanation
The method reported in the message failed because one of the string parameters supplied contained a value that was too long.

For example, the method call
IccFileId::IccFileId("LONGFILENAME") would fail because the value "LONGFILENAME" is greater than IccGI::maxFileNameLength.

For further guidance, see the Foundation Classes: reference.

System action
The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User response
If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
ICCCTLEC ICCRESEC ICCRIDEC ICCSRQEC ICCSRQIC ICCTSKEC ICCUSREC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. class
9. method
10. pname
11. length
12. max

Destination
CCZM

DFHCZ0131 date time applid userid 
termid tranid program_name 
class::method This constructor failed to create an object because a parameter of type string contained a value that was too long. It was set to 'stringvalue...' while the maximum length allowed is maxstringlength.
**Explanation**

The constructor method reported in the message failed because one of the string parameters supplied contained a value that was too long.

For example, the method call IccFileId::IccFileId("LONGFILENAME") would fail because the value "LONGFILENAME" is greater than IccGI::maxFileNameLength.

For further guidance, see the Foundation Classes: reference.

**System action**

The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User response**

If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** ICCRIDEIC, ICCTIMEC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. aplid
4. userid
5. termid
6. tranid
7. program_name
8. class
9. method
10. pname
11. plength
12. pmaxlength

**Destination**

CCZM

---

**Explanation**

This method failed because the parameter named $pname$ contained an invalid value.

**System action**

The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User response**

You will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** ICCCESIC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. aplid
4. userid
5. termid
6. tranid
7. program_name
8. class
9. method
10. pname
11. plength
12. pmaxlength

**Destination**

CCZM

---

**Explanation**

The method reported in the message failed because the parameter named $pname$ contained an invalid string of length $plength$ while the maximum length allowed is $pmaxlength$.
IccFile::readRecord(999,updateToken) would fail because the read mode value of 999 is not within the valid range of 70 to 74.

For further guidance, see the Foundation Classes: reference.

**System action**

The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User response**

If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

ICCBASEC ICCBUFEC ICCCLKEC ICCFILEC ICCFIIC ICCGLBEC ICCPRGEC ICCRESEC ICCSESEC ICCSESIC ICCSRQEC ICCSYSEC ICCTMPEC ICCTRMEC ICCTSKEC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. class
9. method
10. pname

**Destination**

CCZM

**Explanation**

The method reported in the message failed because one of the parameters supplied was invalid.

This parameter of the method is defined as an integer, where each bit denotes a flag, some of which must not be set simultaneously. The calling parameter had a contradictory pair of flags set. For example, the method call IccFile::setAccess(3) would fail because the access value of 3 contains the two contradictory flags readable and notReadable.

For further guidance, see the Foundation Classes: reference.

**System action**

The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User response**

If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

ICCFILEC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. class
9. method
10. param_name
11. flag1
12. flag2

**Destination**

CCZM
DFHCZ0137  

```
DFHCZ0137 date time applid userid termid tranid program_name class::method This constructor failed to create an object because the parameter named pname contained an invalid value of pvalue.
```

**Explanation**

The method reported in the message failed because one of the parameters supplied was invalid.

This parameter of the method is restricted to a defined range, while the value supplied on the call was not within this range. For example, the the constructor method call `IccJournalId::IccJournalId(987)` would fail because the journalNum value of 987 is outside the range 1 to 99.

For further guidance, see the Foundation Classes: reference.

**System action**

The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User response**

If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** ICCRIDEC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. class
9. method

DFHCZ0138  

```
DFHCZ0138 date time applid userid termid tranid program_name class::method This method failed because the parameter named pname contained an invalid value of pvalue.
```

**Explanation**

The method reported in the message failed because one of the parameters supplied was invalid.

This parameter of the method is defined as an integer (general sense), while the value supplied on the call was not sensible for the functional content of the method. For example the method call `IccTerminal::sendLine(9876,buffer)` would fail, because the column value of 9876 is greater than the height of the screen.

For further guidance, see the Foundation Classes: reference.

**System action**

The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User response**

If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** ICCBUFIIC ICCCONEC ICCDATEC ICCFILEC ICCRIDEC ICCTIMEC ICCTMPEC ICCTRMEC ICCTSKEC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
This constructor failed to create an object because it is a singleton class which already exists.

Explanation
The constructor method reported in the message failed to create an object because it is a singleton class which already exists. Such classes only allow a single instance of itself to exist at any one moment.

For further guidance, see the Foundation Classes: reference.

System action
The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User response
If the calling program is user written, then you need to change it so that it does not call this method more than once per transaction.

You might consider using the method instance(). All CICS singleton classes provide a method of this name or similar, which returns a reference to the unique object, creating it should it not pre-exist. This method can be safely called multiple times, each time returning the reference to the same object.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:

XMEOUT parameters/Message inserts

This method failed to create the object because the CICS task did not have a terminal as its principal facility.

Explanation
The method reported in the message failed to create an object because the CICS transaction was not defined with a terminal as its principal facility. Typically, the program calling this method, should be running as a terminal initiated transaction in a front end CICS region (TOR).

For further guidance, see the Foundation Classes: reference.

System action
The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User response
You need to change the CICS configuration definition so that the program calling this method runs in the correct environment.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:

ICCABDEC ICCCONEC ICCCTLEC ICCSRQEC ICCSYSEC ICCTMDEC ICCTRMEC ICCTSKEC
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. class
9. method
10. object

Destination
CCZM

DFHCZ0142  
date time applid userid termid tranid program_name class::method
This method failed to create an object of type object because the CICS task did not have a session as its principal facility.

Explanation
The method reported in the message failed to create an object because the CICS transaction was not defined with a session as its principal facility. Typically, the program calling this method would be running as a system initiated transaction relating to CICS distributed transaction processing.

For further guidance, see the Foundation Classes: reference.

System action
The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User response
You need to change the CICS configuration definition so that the program calling this method runs in the correct environment.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
ICCCTLEC

DFHCZ0143  
date time applid userid termid tranid program_name class::method
This virtual method has not been implemented by the derived class.

Explanation
The method of the class reported in the message has not been implemented by a derived class.

This method is defined as a virtual method with the intent that it is redefined, when appropriate, by its sub-classes.

The default implementation simply throws an exception to alert the user of this condition.

For further guidance, see the Foundation Classes: reference.

System action
The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User response
If you have written a class that inherits this class then you should provide a suitable implementation for this method.

If you are using vendor written software that may inherit this class then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. class
9. method

Explanation

A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System action

The system writes this message to the TD queue CCZM and takes a system dump.

User response

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (AttachInitiator.c)

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Explanation

A JNI call, GetStringUTFChars(envp, profile), in code written to support Java native methods used by the JCICS Java class library has failed.

System action

The system writes this message to the TD queue CCZM and takes a system dump.

User response

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (AttachInitiator.c)

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Explanation

A JNI call, GetStringUTFChars(envp, process), in code written to support Java native methods used by the JCICS Java class library has failed.
System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (AttachInitiator.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0203  date time applid userid termid tranid program_name The process name passed to the CONNECT_PROCESS method in module was invalid.

Explanation
The process name passed to the native method CONNECT_PROCESS was invalid.

System action
The system writes this message to the TD queue CCZM and ignores the invocation of CONNECT_PROCESS.

User response
Ensure that the process name is set correctly using the setProcess() method on the correct AttachInitiator Java object.

Module:
DFJCZDTC (AttachInitiator.c)

XMEOUT parameters/Message inserts
1. date

Destination
CCZM

DFHCZ0205  date time applid userid termid tranid program_name An unexpected value for the control

Explanation
A JNI call, GetFieldID() for DataHolder.value, in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (Conversation.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0204  date time applid userid termid tranid program_name JNI call 'GetFieldID() for DataHolder.value' in module failed.
parameter was passed to the ISSUE_CONTROL() method in module.

**Explanation**
An unexpected value for the control parameter was passed to the ISSUE_CONTROL() method.

**System action**
The system writes this message to the TD queue CCZM and takes a system dump.

**User response**
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFJCZDTC (Conversation.c)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

**Destination**
CCZM

**Explanation**
A JNI call, FindClass(), in code written to support Java native methods used by the JCICS Java class library has failed to find the class for CicsResponseConditionException.

**System action**
The system writes this message to the TD queue CCZM and takes a system dump.

**User response**
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFJCZDTC (DTCCondition.c)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. termid

**Destination**
CCZM

**Explanation**
Code written to support Java native methods used by the JCICS Java class library has unsuccessfully attempted to issue an ASSIGN ABEND.

**System action**
The system writes this message to the TD queue CCZM and takes a system dump.

**User response**
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFJCZDTC (DTCAbend.c)
A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCCondition.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0208 date time applid userid termid tranid program_name JNI call 'GetFieldID()' in module failed.

Explanation
A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCFile.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0210 date time applid userid termid tranid program_name JNI call 'GetStringUTFChars(envp, fileName, NULL)' in module failed.

Explanation
A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.
Module:
DFJCZDTC (DTCFile.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0212

date time applid userid termid tranid program_name JNI call 'GetStringUTFChars()' in module failed.

Explanation
A JNI call, GetStringUTFChars(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCFile.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0213

date time applid userid termid tranid program_name A null filename has been passed to a native method in module.

Explanation
A null filename has been passed to a native method used by the JCICS Java class library.

System action
The system writes this message to the TD queue CCZM and ignores the request.

User response
Ensure that a valid file name has been specified using the setName() method for each relevant file object.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCFile.c)
**System action**
The system writes this message to the TD queue CCZM and ignores the request.

**User response**
Ensure that a valid file name has been specified using the setName() method for each relevant file object.
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFJCZDTC (DTCFile.c)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

**Destination**
CCZM

| DFHCZ0215 | date time applid userid termid tranid program_name An attempt in module to delete records from a KSDS has failed. |

**Explanation**
An attempt to delete records from a KSDS in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**
The system writes this message to the TD queue CCZM. A Java exception or error will be thrown.

**User response**
Add appropriate code to the application to catch the exception or error thrown by the JCICS Java class library.
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFJCZDTC (DTCFile.c)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

**Explanation**
A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**
The system writes this message to the TD queue CCZM and takes a system dump.

**User response**
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFJCZDTC (DTCFile.c)
**Destination**
CCZM

**DFHCZ0216 date time applid userid termid tranid program_name** A relative record number greater than 32767 has been specified on a DELETE command in module.

**Explanation**
A relative record number greater than 32766 has been passed to a Java native method used by the JCICS Java class library.

**System action**
The system writes this message to the TD queue CCZM and ignores the request.

**User response**
Ensure that the value specified on the relevant delete() method is valid.
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFJCZDTC (DTCFile.c)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

**Destination**
CCZM

**DFHCZ0217 date time applid userid termid tranid program_name** An attempt in module to delete records from an RRDS has failed.

**Explanation**
An attempt to delete records from an RRDS in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**
The system writes this message to the TD queue CCZM and takes a system dump.

**User response**
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFJCZDTC (DTCFile.c)
### XMEOUT parameters/Message inserts

1. date  
2. time  
3. applid  
4. userid  
5. termid  
6. tranid  
7. program_name  
8. module

### Destination

CCZM

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### DFHCZ0220

**date time applid userid termid tranid program_name JNI call 'GetStringUTFChars()' in module failed.**

### Explanation

A JNI call, GetStringUTFChars(), in code written to support Java native methods used by the JCICS Java class library has failed.

### System action

The system writes this message to the TD queue CCZM, and takes a system dump.

### User response

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

### Module:

DFJCZDTC (DTCFile.c)

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### DFHCZ0221

**date time applid userid termid tranid program_name A null filename has been passed to a native method in module.**

### Explanation

A null filename has been passed to a native method used by the JCICS Java class library.

### System action

The system writes this message to the TD queue CCZM, and ignores the request.

### User response

Ensure that a valid file name has been specified using the setName() method for each relevant file object.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

### Module:

DFJCZDTC (DTCFile.c)

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### DFHCZ0222

**date time applid userid termid tranid program_name JNI call 'GetStringUTFChars()' in module failed.**

### Explanation

A JNI call, GetStringUTFChars(), in code written to support Java native methods used by the JCICS Java class library has failed.

### System action

The system writes this message to the TD queue CCZM and takes a system dump.
**User response**

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFJCPZTCDC (DTCFile.c)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

**Destination**
CCZM

DFHCZ0223 date time applid userid termid tranid program_name A null filename has been passed to a native method in module.

**Explanation**

A null filename has been passed to a native method used by the JCICS Java class library.

**System action**

The system writes this message to the TD queue CCZM and ignores the request.

**User response**

Ensure that a valid file name has been specified using the setName() method for each relevant file object.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFJCPZTCDC (DTCFile.c)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

**Destination**
CCZM

DFHCZ0224 date time applid userid termid tranid program_name JNI call 'GetByteArrayElements()' in module failed.

**Explanation**

A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**

The system writes this message to the TD queue CCZM and takes a system dump.

**User response**

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFJCPZTCDC (DTCFile.c)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

**Destination**
CCZM

DFHCZ0225 date time applid userid termid tranid program_name A null key has been passed to a native method in module.
Explanation
A null key has been passed to a Java native method used by the JCICS Java class library.

System action
The system writes this message to the TD queue CCZM and ignores the request.

User response
Ensure that all relevant reset() methods executed against KeyedFileBrowse objects specify a valid key.
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCFile.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

Explanation
A JNI call, GetStringUTFChars(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCFile.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

Explanation
A null filename has been passed to a native method used by the JCICS Java class library.

System action
The system writes this message to the TD queue CCZM and ignores the request.

User response
Ensure that a valid file name has been specified using the setName() method for each relevant file object.
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCFile.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid

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Explanation

A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action

The system writes this message to the TD queue CCZM and takes a system dump.

User response

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:

DFJCZDTC (DTCFile.c)

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Explanation

An attempt to obtain storage, for use as a RIDFLD parameter, in code written to support Java native methods used by the JCICS Java class library has failed.

System action

The system writes this message to the TD queue CCZM and takes a system dump.

User response

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.
Module: DFJCZDTC (DTCFile.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination CCZM

DFHCZ0231  date  time  applid  userid  termid  tranid  program_name JNI call 'GetStringUTFChars(envp, SysId)' in module failed.

Explanation
A JNI call, GetStringUTFChars(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFJCZDTC (DTCFile.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination CCZM

DFHCZ0232  date  time  applid  userid  termid  tranid  program_name JNI call 'GetStringUTFChars()' in module failed.

Explanation
A JNI call, GetStringUTFChars(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFJCZDTC (DTCFile.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination CCZM

DFHCZ0233  date  time  applid  userid  termid  tranid  program_name A NULL filename has been passed to a native method in module.

Explanation
A NULL filename has been passed to a native method used by the JCICS Java class library.
System action
The system writes this message to the TD queue CCZM and ignores the request.

User response
Ensure that a valid file name has been specified using the setName() method for each relevant file object.
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCFile.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0234 date time applid userid termid tranid program_name JNI call 'GetStringUTFChars(envp, SysId)' in module failed.

Explanation
A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCProgram.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM
User response

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCProgram.c)

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0237

date time applid userid
termid tranid program_name
JNI call ‘GetFieldID()’ for
‘DataLength.Length’ in module
failed.

Explanation
A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCProgram.c)

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. termid

Destination
CCZM

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6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0239  date time applid userid termid tranid program_name JNI call 'ThrowNew()' in module failed.

Explanation
A JNI call, ThrowNew(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCProgram.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0241  date time applid userid termid tranid program_name JNI call 'FindClass()' in module failed.

Explanation
A JNI call, FindClass(), to find the class for TransferOfControlException, in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCProgram.c)
XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0243  date time applid userid termid tranid program_name JNI call 'ThrowNew()' in module failed.

Explanation
A JNI call, ThrowNew(), to throw TransferOfControlException, in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCProgram.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0242  date time applid userid termid tranid program_name JNI call 'FindClass()' in module failed.

Explanation
A JNI call, FindClass(), to find the class for TransferOfControlException, in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCProgram.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0244  date time applid userid termid tranid program_name An attempt to issue an ASSIGN APPLID SYSID command in module has failed.

Explanation
Code written to support Java native methods used by the JCICS Java class library has unsuccessfully attempted to issue an ASSIGN APPLID(...) SYSID(...).

System action
The system writes this message to the TD queue CCZM and takes a system dump.
User response

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCAbend.c)

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0245 date time applid userid termid tranid program_name JNI call 'FindClass()' in module failed.

Explanation

A JNI call, FindClass(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action

The system writes this message to the TD queue CCZM.

User response

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCSupport.c)

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0246 date time applid userid termid tranid program_name JNI call 'ThrowNew()' in module failed.

Explanation

A JNI call, ThrowNew(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action

The system writes this message to the TD queue CCZM.

User response

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCSupport.c)

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0247 date time applid userid termid tranid program_name A 'malloc' in module failed.

Explanation

A malloc in code written to support Java native methods used by the JCICS Java class library has failed.
System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
Increase the amount of heap storage available to the application.
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCSupport.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0248 date time applid userid termid tranid program_name A 'malloc' in module failed.

Explanation
A malloc in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
Increase the amount of heap storage available to the application.
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCSupport.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0249 date time applid userid termid tranid program_name JNI call 'FindClass(envp, classname)' in module failed.

Explanation
A JNI call, FindClass(), for the named class in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCSupport.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. classname
9. module
Destination
CCZM

**DFHCZ0250**

*date time applid userid termid tranid program_name JNI call 'ThrowNew()' in module failed.*

**Explanation**

A JNI call, ThrowNew(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**

The system writes this message to the TD queue CCZM and takes a system dump.

**User response**

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFJCDT (DTCSupport.c) DFJCDT (Container.c)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

**DFHCZ0254**

*date time applid userid termid tranid program_name JNI call 'FindClass()' in module failed.*

**Explanation**

A JNI call, FindClass(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**

The system writes this message to the TD queue CCZM and takes a system dump.

**User response**

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFJCDT (DTCSupport.c)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. termid
6. tranid

Destination
CCZM

**DFHCZ0253**

*date time applid userid termid tranid program_name JNI call 'NewByteArray()' in module failed.*

**Explanation**

A JNI call, NewByteArray(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**

The system writes this message to the TD queue CCZM and takes a system dump.

**User response**

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFJCDT (DTCSupport.c)
7. program_name
8. module

Destination
CCZM
DFHCZ0255  

Explanation
A JNI call, ThrowNew(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCDT (DTCSupport.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM
DFHCZ0256  

Explanation
A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCDT (DTCSupport.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

**Explanation**
A JNI call, GetMethodID() for setConvId(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**
The system writes this message to the TD queue CCZM and takes a system dump.

**User response**
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFJCZDTC (DTCSupport.c)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

**Destination**
CCZM

**DFHCZ0258** *date time applid userid termid tranid program_name JNI call 'GetMethodID()' in module failed.*

**Explanation**
An attempt to obtain storage in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**
The system writes this message to the TD queue CCZM and takes a system dump.

**User response**
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFJCZDTC (DTCFile.c)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

**Destination**
CCZM

**DFHCZ0260** *date time applid userid termid tranid program_name JNI call 'NewObject()' in module failed.*

**Explanation**
A JNI call, NewObject(), to construct a Conversation object, in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**
The system writes this message to the TD queue CCZM and takes a system dump.

**User response**
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
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**DFHCZ0259** *date time applid userid termid tranid program_name An attempt to allocate storage in module failed.*
DFJCZDTC (DTCSupport.c)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

**Destination**

CCZM

**Explanation**

A JNI call, GetMethodID(), to find the constructor for Conversation, in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**

The system writes this message to the TD queue CCZM and takes a system dump.

**User response**

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFJCZDTC (DTCSupport.c)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module
System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCFile.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0264 date time applid userid termid tranid program_name JNI call 'CallVoidMethod()' in module failed.

Explanation
A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCSupport.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0265 date time applid userid termid tranid program_name JNI call 'GetMethodID()' in module failed.

Explanation
A JNI call, GetMethodID() for setConvId(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCSupport.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0266 date time applid userid termid tranid program_name JNI call 'CallVoidMethod()' in module failed.
Explanation
A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFJCZDTC (DTCSupport.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0267 date time applid userid termid tranid program_name JNI call 'CallVoidMethod()' in module failed.

Explanation
A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFJCZDTC (DTCSupport.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

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**Destination**

CCZM

DFHCZ0269  

`date time applid userid termid tranid program_name JNI call 'GetMethodID()' in module failed.`

**Explanation**

A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**

The system writes this message to the TD queue CCZM and takes a system dump.

**User response**

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFJCZDTC (DTCSupport.c)

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `userid`
5. `termid`
6. `tranid`
7. `program_name`
8. `module`

---

**Destination**

CCZM

DFHCZ0270  

`date time applid userid termid tranid program_name JNI call 'CallVoidMethod()' in module failed.`

**Explanation**

A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**

The system writes this message to the TD queue CCZM and takes a system dump.

**User response**

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFJCZDTC (DTCSupport.c)

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`

3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0272  date time applid userid termid tranid program_name JNI call 'CallVoidMethod()' in module failed.

Explanation
A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCSupport.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0274  date time applid userid termid tranid program_name JNI call 'GetMethodID()' in module failed.

Explanation
A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCSupport.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0273  date time applid userid termid tranid program_name JNI call 'CallVoidMethod()' in module failed.
DFJCZDTC (DTCSupport.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0275  date time applid userid termid tranid program_name JNI call 'GetMethodID()' in module failed.

Explanation
A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCSupport.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0276  date time applid userid termid tranid program_name JNI call 'CallVoidMethod()' in module failed.

Explanation
A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCSupport.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0277  date time applid userid termid tranid program_name JNI call 'GetMethodID()' in module failed.

Explanation
A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.
System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCSupport.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0278 date time applid userid termid tranid program_name JNI call 'CallVoidMethod()' in module failed.

Explanation
A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCSupport.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0279 date time applid userid termid tranid program_name JNI call 'GetMethodID()' in module failed.

Explanation
A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCSupport.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0280 date time applid userid termid tranid program_name JNI call 'NewObject()' in module failed.
**Explanation**
A JNI call, NewObject() for a ConversationPrincipalFacility object, in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**
The system writes this message to the TD queue CCZM and takes a system dump.

**User response**
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFJCZDTC (DTCSupport.c)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

**Destination**
CCZM

**Explanation**
A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**
The system writes this message to the TD queue CCZM and takes a system dump.

**User response**
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFJCZDTC (DTCSupport.c)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

**Explanation**
A JNI call, FindClass(), for com/ibm/cics/server/ConversationPrincipalFacility, in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**
The system writes this message to the TD queue CCZM and takes a system dump.

**User response**
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFJCZDTC (DTCSupport.c)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module
Destination
CCZM

DFHCZ0283 \(\text{date time applid userid termid tranid program_name JNI call 'FindClass()' in module failed.}\)

Explanation
A JNI call, FindClass(), to find the Conversation class, in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCSupport.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0284 \(\text{date time applid userid termid tranid program_name JNI call 'GetMethodID()' in module failed.}\)

Explanation
A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCSupport.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0286  date time applid userid termid tranid program_name JNI call 'NewObject()' in module failed.

Explanation
A JNI call, NewObject(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCSupport.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0287  date time applid userid termid tranid program_name An attempt to allocate storage in module failed.

Explanation
An attempt to obtain storage in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCFile.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0288  date time applid userid termid tranid program_name An attempt to allocate storage in module failed.

Explanation
An attempt to obtain storage in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCFile.c)

XMEOUT parameters/Message inserts
1. date
Chapter 2. CICS messages

2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0289  
\textit{date time applid userid termid tranid program_name} An attempt to allocate storage in \textit{module} failed.

Explanation
An attempt to obtain storage in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCFile.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0291  
\textit{date time applid userid termid tranid program_name} JNI call 'GetMethodID()' in \textit{module} failed.

Explanation
A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.
**User response**

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFJCZDTC (DTCSupport.c)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

**Destination**
CCZM

DFHCZ0292  

**Explanation**

A JNI call, FindClass(), for com/ibm/cics/server/RetrievedData, in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**

The system writes this message to the TD queue CCZM and takes a system dump.

**User response**

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFJCZDTC (DTCTask.c)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

**Destination**
CCZM

DFHCZ0293  

**Explanation**

A JNI call, GetFieldID() for taskNumber, in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**

The system writes this message to the TD queue CCZM and takes a system dump.

**User response**

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFJCZDTC (DTCTask.c)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

**Destination**
CCZM

DFHCZ0294  

**Explanation**

A JNI call, GetFieldID() for transactionName, in code written to support Java native methods used by the JCICS Java class library has failed.
System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFJCZDTC (DTCTask.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0295 date time applid userid termid tranid program_name JNI call 'GetObjectClass()' in module failed.

Explanation
A JNI call, GetObjectClass(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFJCZDTC (DTCTask.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0296 date time applid userid termid tranid program_name JNI call 'GetFieldID()' in module failed.

Explanation
A JNI call, GetFieldID() for principalFacility, in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFJCZDTC (DTCTask.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0297 date time applid userid termid tranid program_name JNI call 'GetFieldID()' in module failed.
Explanation
A JNI call, GetFieldID(), for FCI, in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCTask.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

Explanation
A JNI call, GetFieldID() in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCTask.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

Explanation
A JNI call, GetFieldID() in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCTask.c)
Destination
CCZM

DFHCZ0300  
date time applid userid termid tranid program_name JNI call 'GetMethodID()' in module failed.

Explanation
A JNI call, GetMethodID() for the TerminalPrincipalFacility constructor, in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCTask.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0302  
date time applid userid termid tranid program_name JNI call 'GetFieldID()' in module failed.

Explanation
A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCTask.c)

XMEOUT parameters/Message inserts
1. date
2. time
Explanation
A JNI call, GetObjectClass(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCTask.c)

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Explanation
A JNI call, GetStringUTFChars(envp, abcode), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCTask.c)

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Explanation
A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

**Destination**

CCZM

**Explanation**

A JNI call, GetStringUTFChars(envp, queueName, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**

The system writes this message to the TD queue CCZM and takes a system dump.

**User response**

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFJCZDTC (DTCTDQ.c)

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**Destination**

CCZM

**Explanation**

A JNI call, GetStringUTFChars(envp, queueName, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**

The system writes this message to the TD queue CCZM and takes a system dump.

**User response**

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFJCZDTC (DTCTDQ.c)
System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCTDQ.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0315 date time applid userid termid tranid program_name JNI call 'GetStringUTFChars(envp, SysId)' in module failed.

Explanation
A JNI call, GetStringUTFChars(envp, queueName, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCTDQ.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0316 date time applid userid termid tranid program_name JNI call 'GetStringUTFChars(envp, queueName, NULL)' in module failed.

Explanation
A JNI call, GetStringUTFChars(envp, queueName, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCTDQ.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0317 date time applid userid termid tranid program_name JNI call
'GetStringUTFChars(envp, SysId)' in module failed.

Explanation
A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCTerminal.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0324  date time applid userid termid tranid program_name JNI call 'GetByteArrayElements()' in module failed.

Explaination
A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCTerminal.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0325  date time applid userid termid tranid program_name JNI call 'GetMethodID()' in module failed.

Explanation
A JNI call, GetMethodID() for the toBinary() method, in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCTerminal.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0326  

Explanation
A text array passed to the SEND_TEXT() method in module was greater than 32767 bytes. The data has been truncated.

System action
The system writes this message to the TD queue CCZM and sends the first 32767 bytes in the array.

User response
Ensure that the length of text passed to the sendText() method does not exceed 32767.

Module:
DFJCZDTC (DTCTerminal.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0328  

Explanation
A JNI call, GetMethodID(), for the toBinary() method, in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCTerminal.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0327  

Explanation
A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (DTCTerminal.c)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

**Destination**

CCZM

**DFHCZ0329**

| date | time | applid | userid | termid | tranid | program_name | JNI call 'GetFieldID()' in module failed. |

**Explanation**

A JNI call, GetFieldID() for TCTUAlength, in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**

The system writes this message to the TD queue CCZM and takes a system dump.

**User response**

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFJCZDTC (DTCTerminal.c)

---

**DFHCZ0329**

| date | time | applid | userid | termid | tranid | program_name | JNI call 'GetFieldID()' in module failed. |

**Explanation**

A JNI call, GetFieldID() for TERMINAL, in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**

The system writes this message to the TD queue CCZM and takes a system dump.

**User response**

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFJCZDTC (DTCFile.c)

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**DFHCZ0331**

| date | time | applid | userid | termid | tranid | program_name | JNI call 'GetFieldID()' in module failed. |

**Explanation**

A JNI call, GetFieldID() for TERMCODE, in code written to support Java native methods used by the JCICS Java class library has failed.
**System action**
The system writes this message to the TD queue CCZM and takes a system dump.

**User response**
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFJCZDTC (DTCTerminal.c)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

**Destination**
CCZM

**Explanation**
A JNI call, FindClass(), for com/ibm/cics/server/TerminalPrincipalFacility, in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**
The system writes this message to the TD queue CCZM and takes a system dump.

**User response**
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFJCZDTC (DTCFile.c)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

**Destination**
CCZM

**Explanation**
An attempt to obtain storage in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**
The system writes this message to the TD queue CCZM and takes a system dump.

**User response**
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFJCZDTC (DTCFile.c)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

**Destination**
CCZM

**Explanation**
A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.
**Explanation**

A JNI call, GetFieldID(), for TCTUAP, in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**

The system writes this message to the TD queue CCZM and takes a system dump.

**User response**

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFJCZDTC (DTCTerminal.c)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

**Destination**

CCZM

**Explanation**

A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

**System action**

The system writes this message to the TD queue CCZM and takes a system dump.

**User response**

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFJCZDTC (DTCTSQ.c)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

**Destination**

CCZM

**Explanation**

An invalid value for item number was passed to the READITEM() method in module. The value passed was item_no.

**System action**

The system writes this message to the TD queue CCZM and ignores the request.

**User response**

Ensure that the item number specified on the readItem() method of the appropriate TSQ Java object is in the range 0 - 32767.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFJCZDTC (DTCTSQ.c)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. termid

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6. tranid
7. program_name
8. module
9. item_no

Destination
CCZM

DFHCZ0337 | date time applid userid termid tranid program_name TSQ name tsqname has been truncated to 16 characters in the SETNAME() method in module.

Explanation
The Temporary Storage queue identified in the message has been truncated to 16 characters.

System action
The system writes this message to the TD queue CCZM and continues with the request.

User response
Ensure all TS queue names used in JCICS applications are 16 characters or less in length.

Module:
DFJCZDTC (DTCTSQ.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. tsqname
9. module

Destination
CCZM

DFHCZ0340 | date time applid userid termid tranid program_name JNI call 'GetByteArrayElements()' in module failed.

Explanation
A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.
User response

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJNZDTC (StartRequest.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0341 date time applid userid termid tranid program_name JNI call 'GetStringUTFChars()' in module failed.

Explanation
A JNI call, GetStringUTFChars(envp, transactionName), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJNZDTC (StartRequest.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid

Destination
CCZM

DFHCZ0342 date time applid userid termid tranid program_name JNI call 'GetStringUTFChars(envp, SysId)' in module failed.

Explanation
A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJNZDTC (StartRequest.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0345 date time applid userid termid tranid program_name JNI call 'GetStringUTFChars()' in module failed.
Explanation
A JNI call, GetStringUTFChars(envp, transactionName), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFJCZDTC (StartRequest.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0347 date time applid userid termid tranid program_name JNI call 'GetStringUTFChars(envp, terminal)' in module failed.

Explanation
A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFJCZDTC (StartRequest.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0348 date time applid userid termid tranid program_name JNI call 'GetStringUTFChars(envp, terminal)' in module failed.

Explanation
A JNI call, GetStringUTFChars(envp, terminal), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFJCZDTC (StartRequest.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module
Destination
CCZM

DFHCZ0349  date time applid userid termid tranid program_name JNI call 'GetStringUTFChars(envp, SysId)' in module failed.

Explanation
A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFJCZDTC (StartRequest.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0350  date time applid userid termid tranid program_name JNI call 'GetStringUTFChars()' in module failed.

Explanation
A JNI call, GetStringUTFChars(envp, rTransaction), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFJCZDTC (StartRequest.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module
Explanation
A JNI call, GetByteArrayElements(envp, data, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCTZDC (SynchronizationResource.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0352  date time applid userid termid tranid program_name JNI call 'GetByteArrayElements()' in module failed.

Explanation
A JNI call, GetByteArrayElements(envp, data, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCTZDC (SynchronizationResource.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0354  date time applid userid termid tranid program_name JNI call 'GetByteArrayElements()' in module failed.

Explanation
A JNI call, GetByteArrayElements(envp, CommArea, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.
User response

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (WrapperNative.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0355 date time applid userid termid tranid program_name JNI call 'NewByteArray(envp, Length)' in module failed.

Explanation
A JNI call, NewByteArray(envp, Length), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM.

User response
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCZDTC (WrapperNative.c)

Destination
CCZM

DFHCZ0380 date time applid userid termid tranid program_name An attempt to allocate storage in module failed.
Explanation
An attempt to obtain storage, for use as a RIDFLD parameter, in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
libcom_ibm_cics_server_DTC.so (Document.c)
libcom_ibm_cics_server_DTC.so (HttpResponse.c)
libcom_ibm_cics_server_DTC.so (Container.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0381  date time applid userid termid tranid program_name JNI call 'GetByteArrayElements()' in module failed.

Explanation
A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
libcom_ibm_cics_server_DTC.so (Document.c)
libcom_ibm_cics_server_DTC.so (HttpRequest.c)
libcom_ibm_cics_server_DTC.so (HttpResponse.c)
libcom_ibm_cics_server_DTC.so (TcpipRequest.c)
libcom_ibm_cics_server_DTC.so (Container.c)
libcom_ibm_cics_server_DTC.so (ContainerIterator.c)

Destination
CCZM

DFHCZ0382  date time applid userid termid tranid program_name JNI call 'GetStringUTFChars()' in module failed.

Explanation
A JNI call, GetStringUTFChars(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
libcom_ibm_cics_server_DTC.so (Document.c)
libcom_ibm_cics_server_DTC.so (HttpRequest.c)
libcom_ibm_cics_server_DTC.so (HttpResponse.c)
libcom_ibm_cics_server_DTC.so (TcpipRequest.c)
libcom_ibm_cics_server_DTC.so (Container.c)
libcom_ibm_cics_server_DTC.so (ContainerIterator.c)
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0383  date time applid userid termid tranid program_name JNI call 'NewObject()' in module failed.

Explanation
A JNI call, NewObject(), to construct a Conversation object, in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
libcom_ibm_cics_server_DTC.so (DTCSupport.c)
libcom_ibm_cics_server_DTC.so (HttpResponse.c)

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0384  date time applid userid termid tranid program_name JNI call 'GetMethodID()' in module failed.

Explanation
A JNI call, GetMethodID() for setState(), in code written to support Java native methods used by the JCICS Java class library has failed.

System action
The system writes this message to the TD queue CCZM and takes a system dump.

User response
If the error condition persists, you need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
libcom_ibm_cics_server_DTC.so (DTCSupport.c)
libcom_ibm_cics_server_DTC.so (HttpResponse.c)

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0385  date time applid userid termid tranid program_name JNI call 'FindClass()' in module failed.

Explanation
A JNI call, FindClass(), in code written to support Java native methods used by the JCICS Java class library has failed to find the class for CicsResponseConditionException.

System action
The system writes this message to the TD queue CCZM and takes a system dump.
User response
If the error condition persists, you need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
lcom_ibm_cics_server_DTC.so (DTCSupport.c)
lcom_ibm_cics_server_DTC.so (HttpResponse.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

DFHCZ0399  date time applid termid tranid program_name
COM.IBM.CICS.SERVER.WRAPPER
- UNSATISFIEDLINKERROR
LOADING library.

Explanation
An UnsatisfiedLinkError occurred trying to load the jcics native library com_ibm_cics_server_DTC.

System action
An UnsatisfiedLinkError is thrown to the caller. The task is terminated abnormally.

User response
If running in an ET/390 environment, check that PROGRAM DFJCZDTC, with alias libcom_ibm_cics_server_DTC.so, is in a PDSE available to CICS. If running under the JVM, check that libcom_ibm_cics_server_DTC.so is in the libpath defined to CICS.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFJCICS (com.ibm.cics.server.Wrapper.java)

Destination
SYSPRINT

DFHCZ0400  date time applid termid tranid program_name
JVMSERVER thread was canceled in module
because the JVMSERVER is disabling.

Explanation
The current JVMSERVER thread has been canceled because the JVMSERVER is disabling.

System action
CICS writes this message to the TD queue CCZM.
User response
No action

Module: DFJCZDTC (DTCSupport.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

Explanation
A JNI call, GetStringUTFChars(envp, userId), in code written to support Java native methods used by the JCICS Java class library has failed.

**DFHDBbnnnn messages**

DFHDB2001

**User response**
The system writes this message to the TD queue CCZM and takes a system dump.

**User response**
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFJCZDTC (StartRequest.c)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. module

Destination
CCZM

Explanation
A JNI call, GetStringUTFChars(envp, user1Id), in code written to support Java native methods used by the JCICS Java class library has failed.

DFHDB2001

**User response**
The UOW uowid will have to be resolved manually using DB2 -DISPLAY THREAD and -RECOVER INDOUBT operator commands.

**Module:** DFHD2EX1

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. db2id
5. X'uowid'

Destination
CDB2 and Console
**Explanation**
The CICS-DB2 attachment is already active and enabled to CICS.

**System action**
The CICS-DB2 attachment facility initialization does not complete.

**User response**
Only one CICS-DB2 attachment facility may be active in a CICS region.

**Module:**
DFHD2CM1, DFHD2STR

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. db2-id
5. Value chosen from the following options:
   1. =,
   2. group
6. db2-group

**Destination**
CDB2 and Terminal End User

---

**DFHDB2004**

**date time applid** No threads were found for plan plan-name

**Explanation**
This message is in response to a CICS-DB2 attachment facility DSNC DISPLAY or DISCONNECT command. No threads were found using the specified plan name plan-name. The plan-name may be blank if a specific plan was not requested.

**System action**
The CICS-DB2 attachment facility command is not processed.

---

**DFHDB2003**

**date time applid** The CICS-DB2 attachment facility is already active. CICS is connected to DB2 subsystem db2-id { | group } db2-group

**Explanation**
The CICS-DB2 attachment is already active and enabled to CICS.

**System action**
The CICS-DB2 attachment facility initialization does not complete.

**User response**
Reenter the command with the correct plan name.

**Module:**
DFHD2CC

**Destination**
Terminal End User

---

**DFHDB2005**

**date time applid** Transaction tran is not defined for CICS DB2.

**Explanation**
This message is in response to a CICS-DB2 attachment facility DSNC DISPLAY or MODIFY command. The transaction tran specified in the command was not defined as a CICS DB2 transaction. That is, there was no DB2TRAN defined for the transid, or the DB2TRAN referred to a DB2ENTRY that does not exist, or the case of the DISPLAY command, no threads were found for the transaction.

**System action**
The CICS-DB2 attachment facility command is not processed.

**User response**
Reenter the command with the correct transaction name.

**Module:**
DFHD2CM1

---

**DFHDB2006**

**date time applid** The dest destination ID is invalid.

**Explanation**
This message is in response to a CICS-DB2 attachment facility DSNC MODIFY DESTINATION command. The destination ID dest specified on the command to be modified is not one of the destinations currently defined in the DB2CONN as a message queue.

**System action**
The CICS-DB2 attachment facility command is not processed.
User response
Reenter the command with the correct destination ID.
Module: DFHD2CM1
Destination
Terminal End User

DFHDB2007 date time applid The command verb is missing or invalid.

Explanation
The CICS-DB2 attachment facility does not recognize the verb entered on the DSNC command.

System action
The command is not processed.

User response
Reenter the command with the correct syntax.
Module: DFHD2CM1
Destination
Terminal End User

DFHDB2008 date time applid Keyword missing or invalid.

Explanation
The CICS-DB2 attachment facility DSNC command contains an unknown positional keyword or a keyword is missing.

System action
The command is not processed.

User response
Reenter the command with the correct syntax.
Module: DFHD2CM1
Destination
Terminal End User

DFHDB2009 date time applid The value in the command is invalid.

Explanation
The numeric value in the DSNC modify command is invalid. The error is caused by one of the following:
- The value in the command is greater than 2000.
- The value in the command is greater than the TCBLIMIT specified in the DB2CONN.
- If the pool is being changed - for example, using transaction id CEPL - the value is less than 3.

System action
The CICS-DB2 attachment facility command is not processed.

User response
Reenter the command with a correct value.
Module: DFHD2CM1
Destination
Terminal End User

DFHDB2010 date time applid tranid Transaction abended because DB2 thread tcbs are unavailable.

Explanation
The transaction was abnormally terminated because a DB2 thread TCB was not available on which to create a thread for the transaction.

System action
The transaction is abnormally terminated.

User response
Determine if more subtask TCBs should be made available to the CICS-DB2 connection by increasing the TCBLIMIT value of the DB2CONN. The TCBLIMIT value can be altered using a SET DB2CONN command.
Module: DFHD2EX1

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
Destination

CDB2

**DFHDB2011**  
*date time applid tranid*  
Transaction abended because threads are unavailable for resource *resname*

**Explanation**

The transaction was abnormally terminated because a thread connection to DB2 was not available for the transaction. *Resname* identifies the name of the DB2ENTRY or the POOL from which the thread was to be allocated. This error can occur when:

- The DB2ENTRY specifies Threadwait(no) and all threads are currently being used.
- The DB2ENTRY specified Threadwait(pool), but the pool definition within the DB2CONN specifies Threadwait(no), and all threads are currently being used both in the DB2ENTRY and the Pool.
- The transaction was using the pool directly, the pool specifies Threadwait(no) and all pool threads are currently in use.

**System action**

The transaction is abnormally terminated.

**User response**

Determine if more threads can be made available to the DB2ENTRY or the POOL by increasing the THREADLIMIT value on the DB2ENTRY or the DB2CONN respectively. The THREADLIMIT value can be increased using SET DB2ENTRY and SET DB2CONN commands.

**Module:**  
DFHD2EX1

**XMEOUT parameters/Message inserts**

1. *date*  
2. *time*  
3. *applid*  
4. *tranid*  
5. *resname*

**Destination**

CDB2

**DFHDB2012**  
*date time applid*  
Stop quiesce of the CICS-DB2 attachment facility from DB2 subsystem *db2-id* is proceeding.

**Explanation**

A DSNC STOP command entered by the main terminal operator is being processed. CICS is disconnected from DB2 subsystem *db2-id*. When the disconnect is complete message DFHDB2025 is output to the terminal.

**System action**

New CICS transactions attempting to issue SQL commands is abended or receives a negative SQL reason code dependent on the CONNECTERROR setting in the DB2CONN definition.

Existing transactions using the CICS-DB2 interface are allowed to complete before the CICS-DB2 attachment facility is stopped.

**User response**

If the quiesce is not completed within an acceptable time period, a DSNC STOP FORCE command should be issued from another terminal.

**Module:**  
DFHD2CM1

**Destination**

Terminal End User

**DFHDB2013**  
*date time applid*  
Display report follows for threads accessing DB2 *db2-id*

**Explanation**

A CICS-DB2 attachment display plan or display tran command was requested and the results follow this message. If not blank, *db2-id* is the name of the DB2 subsystem involved.

The following information is displayed for each thread:

**DB2ENTRY**

The name of the DB2ENTRY which contains the thread.

**S**

The thread status:

* The thread is active within a unit of work and is currently executing in DB2.

A

The thread is active within a unit of work but is not currently executing in DB2.
The thread is inactive. It is a protected thread waiting for new work.

**PLAN**
The current plan name.

**PRI-AUTH**
The DB2 primary authorization ID.

**SEC-AUTH**
The DB2 secondary authorization ID.

**CORRELATION**
The DB2 thread correlation ID.

For active threads only:

**TRAN**
The CICS transaction ID.

**TASK**
The CICS task number.

**UOW-ID**
The CICS unit-of-work ID.

**System action**
Processing continues normally.

**User response**
None.

**Module:**
DFHD2CC

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `db2-id`

**Destination**
CDB2 and Terminal End User

**Explanation**
A CICS-DB2 attachment facility statistics display was requested and follows this message. The name of the DB2CONN that is currently in use is `db2conn-name` and `db2-id`, if not blank, is the name of the DB2 subsystem involved.

The statistics displayed are those that have been accumulated after the expiry of the last statistics collection interval, end of day expiry, or requested reset. These statistics represent a subset of those available as CICS-DB2 Global and resource statistics collected via the CICS statistics spi commands.

The following information is displayed for each DB2ENTRY and for the command and pool sections of the DB2CONN:

- **DB2ENTRY**
  - The name of the DB2ENTRY or '*COMMAND' for the command section and '*POOL' for the pool section.

- **PLAN**
  - DB2 Plan name

- **CALLS**
  - Total number of SQL calls made

- **AUTHS**
  - Total number of sign-on invocations for transactions associated with this entry. A sign-on does not indicate whether a new thread is created or an existing thread reused. If a thread is reused a sign-on may occur dependent on the ACCOUNTREC setting of the DB2ENTRY.

- **W/P**
  - Number of times all available threads for this entry were busy and the transaction had to wait or the thread request was diverted to the POOL.

- **HIGH**
  - Maximum number of concurrent threads required by transactions associated with this DB2ENTRY at any time since the last reset.

- **ABORTS**
  - Total number of units of work that were rolled back.

- **COMMTS**
  - One of the following two fields is incremented each time a DB2 transaction associated with this DB2ENTRY takes an explicit or implicit (end of task) syncpoint.

- **1-PHASE**
  - The total number of single-phase commits for transactions associated with this DB2ENTRY.

- **2-PHASE**
  - The total number of two-phase commits for transactions associated with this DB2ENTRY.
**System action**
Processing continues normally.

**User response**
None.

**Module:**
DFHD2CC

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. db2conn-name
5. db2-id

**Destination**
CDB2 and Terminal End User

DFHDB2015  
*date time applid* The CICS-DB2 attachment facility is in standby for DB2 subsystem *db2-id*

**Explanation**
The CICS-DB2 attachment facility has dropped into standby mode because DB2 subsystem *db2-id* has stopped and STANDBYMODE=RECONNECT was specified in the DB2CONN.

**System action**
The CICS-DB2 attachment facility waits for the DB2 subsystem to become active again, at which time it automatically reconnects. While in standby mode, all SQL requests receive a negative SQLCODE or an AEY9 abend depending on whether CONNECTERROR=SQLCODE or CONNECTERROR=ABEND was specified in the DB2CONN.

**User response**
Notify the system programmer.

**Module:**
DFHD2TM

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=subsystem,
   2=group
5. db2-id
6. X'reason-code'

**Destination**
CDB2
The CICS-DB2 attachment facility startup cannot complete because the `db2-id` group or subsystem is not active.

**Explanation**
The CICS-DB2 attachment facility stops.

**User response**
Restart the CICS-DB2 attachment facility after starting DB2.

**Module:**
DFHD2STR, DFHD2CM1

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `db2-id`
5. Value chosen from the following options:
   - `1=subsystem is not active.`
   - `2=group has no active members.`

**Destination**
CDB2

**Explanation**
The DSNC MODIFY command completed successfully.

**System action**
Processing continues normally.

**User response**
None.

**Module:**
DFHD2CC

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`

**Destination**
CDB2 and Terminal End User

**Explanation**
The DSNC DISCONNECT command completed successfully.

**System action**
Processing continues normally.

**User response**
None.

**Module:**
DFHD2CC

**Destination**
Terminal End User

**Explanation**
The CICS-DB2 attachment facility from `db2-id` is proceeding.
**Explanation**

A DSNC STOP FORCE command entered by the main terminal operator is being processed. CICS will be disconnected from DB2 subsystem `db2-id`. When the disconnect is complete, message DFHDB2025 is output to the terminal.

**System action**

New CICS transactions attempting to issue SQL commands are abended or receive a negative SQL reason code dependent upon the CONNECTERROR setting in the DB2CONN definition.

Existing transactions using the CICS-DB2 interface will be force purged.

**User response**

None.

**Module:** DFHD2CM1

**Destination**

Terminal End User

**DFHDB2023I**

*date time applid* The CICS-DB2 attachment has connected to DB2 subsystem `db2-id` group `db2-group`

**Explanation**

The CICS-DB2 attachment facility startup has successfully connected to DB2 subsystem `db2-id` group `db2-group`.

**System action**

The CICS-DB2 attachment facility is active.

**User response**

If a group name does not appear then group attach is not active. You can suppress this message with the SIT parameter, MSGlvl = 0.

**Module:** DFHD2STR, DFHD2CM1

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. `db2-id`
5. Value chosen from the following options:
   - `1=`,
   - `2= group`
6. `db2-group`

**Destination**

CDB2, Console and Terminal End User

**DFHDB2024I**

*date time applid* The CICS-DB2 attachment is in standby. For resync purposes only, connection has been made to DB2 restart-light subsystem `db2-id` group `db2-group`

**Explanation**

The CICS-DB2 attachment facility startup has temporarily connected to DB2 subsystem `db2-id` group `db2-group`. The DB2 subsystem is running in restart-light mode and connection has been made purely to allow resynchronisation to take place.

**System action**

The CICS-DB2 attachment facility remains in standby for new work, but allows resynchronisation tasks to complete. The DB2 restart-light subsystem is terminated when resynchronisation is complete. If STANDBYMODE(RECONNECT) has been specified in the DB2CONN definition and when the DB2 restart-light subsystem is terminated, the CICS-DB2 attachment facility reverts to standbymode and connection to another active DB2 subsystem is made.

**User response**

If a group name does not appear, group attach is not active. You can suppress this message with the SIT parameter, MSGlvl = 0.

**Module:** DFHD2STR, DFHD2CM1

**XMEOUT parameters/Message inserts**

1. date
2. time
3. `applid`
4. `db2-id`
5. Value chosen from the following options:
   - `1=`,
   - `2= group`
6. db2-group

**Destination**
CDB2, Console and Terminal End User

**DFHDB2025I**  
*date time applid* The CICS-DB2 attachment has disconnected from DB2 subsystem *db2-id* { | *group* } *db2-group*

**Explanation**
The CICS-DB2 attachment facility has successfully disconnected from DB2 *db2-id* subsystem group *db2-group*.

**System action**
The CICS-DB2 attachment facility is inactive.

**User response**
If a group name does not appear then group attach was not being used. You can suppress this message with the SIT parameter, MSGLEVEL = 0.

**Module:**
DFHD2STP, DFHD2CM1

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *db2-id*
5. Value chosen from the following options:
   - 1 = ,
   - 2 = *group*
6. *db2-group*

**Destination**
CDB2, Console and Terminal End User

**DFHDB2027**  
*date time applid* CICS-DB2 attachment is shutting down. DSNC DB2 commands may not be entered.

**Explanation**
The CICS-DB2 attachment facility cannot accept commands directed to DB2 during or after the termination of the CICS-DB2 attachment facility.

**System action**
The command processing stops.

**User response**
Refer to the Messages for CICS Db2 for a description of the *rc* and *reason-code*.

**Module:**
DFHD2CM1, DFHD2D2
XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. rc
6. 'reason-code'

Destination
CDB2

DFHDB2031 date time applid CICS-DB2 command is invalid. No DB2CONN is installed.

Explanation
A DSNC command cannot be executed as there is no DB2CONN installed. For all DSNC commands (including the STRT command) a DB2CONN definition must be installed before issuing the command.
Likewise a CEMT or EXEC CICS SET DB2CONN CONNECTED command cannot be issued to startup the CICS-DB2 Attachment Facility if no DB2CONN definition is installed.

System action
The command is rejected.

User response
Install the necessary DB2CONN. The command can then be re-issued.

Module:
DFHDCM1, DFHDTSTR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CDB2 and Terminal End User

DFHDB2032 date time applid Alternate destination display command complete.

Explanation
The DSNC DISPLAY command to an alternate destination is complete. The output should be available at the requested destination.

User response
None.

Module:
DFHDBC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CDB2 and Terminal End User

 DFHDB2033 applid Terminal termid is not supported by BMS or is invalid.

Explanation
This message is issued in response to a CICS-DB2 attachment facility command, or DB2 command that requested an alternative destination for the response. CICS basic mapping support (BMS) encountered an error while routing to the requested terminal named termid.

System action
Output from the command may be suppressed.

User response
Ensure that the terminal ID was correctly entered. Otherwise notify the system programmer. This message may occur if the destination device is not supported by BMS, or is not defined to CICS.

Module:
DFHDBC

XMEOUT parameters/Message inserts
1. applid
2. termid
Destination
Console and Terminal End User

DFHDB2035 date time applid Indoubt resolution for Unit of Work X'uowid' is incomplete for DB2 subsystem db2id

Explanation
CICS indicates that recovery should not be required for uowid but DB2 subsystem db2id is indoubt.

System action
The CICS is connected to DB2 but the UOW remains indoubt in DB2.

User response
The indoubt UOW will have to be resolved manually using DB2 -DISPLAY THREAD and -RECOVER INDOUBT operator commands. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHD2EX1

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'uowid'
5. db2id

Destination
CDB2 and Console

DFHDB2038 date time applid The command is invalid while waiting for db2id

Explanation
The CICS-DB2 attachment facility cannot accept commands directed to DB2 while it is waiting for the DB2 subsystem to start. The name of the DB2 subsystem that is not yet operational is db2id.

System action
The command is rejected.

User response
Re-issue the command when DB2 has been started and the attachment facility has connected to DB2.

Module:
DFHD2CM1
destination
Terminal End User

DFHDB2039  
date time applid  The error
destinations are: dest1 dest2 dest3.

Explanation
This message is in response to a CICS-DB2
attachment facility DSNC MODIFY DESTINATION
command and lists the currently active message
destinations known to the attachment facility. Null
entries show as ‘****’ and can be modified so they
identify actual destinations.

System action
Processing continues.

User response
None.

Module:
DFHD2CM1

Destination
Terminal End User

DFHDB2040  
date time applid tranid Module
modname could not be found.

Explanation
During CICS-DB2 attachment facility initialization, an
attempt was made to locate and load the named
module, but it was not found in any of the libraries
accessible to MVS through the MVS LOAD macro.

System action
CICS-DB2 attachment facility initialization does not
complete.

User response
Check the CICS JOBLIB/STEPLIB and ensure that the
required DB2 library is defined there and contains the
named module. Alternatively, ensure the required DB2
library is in the MVS linklist.

Module:
DFHD2STR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. modname

Destination
CDB2 and Terminal End User

DFHDB2041  
date time applid  No active threads
found.

Explanation
A DSNC DISPLAY TRANSACTION or DSNC DISPLAY
PLAN command was entered, but there were no active
threads found. The CICS-DB2 attachment facility
might have identified and signed on some subtasks,
but a create thread was not issued for any of the
subtasks. Likewise, threads may have been created
previously on the subtasks but were subsequently
terminated when there were no more DB2 requests
to service.

System action
Processing continues normally.

User response
None.

Module:
DFHD2CC

Destination
Terminal End User

DFHDB2042  
date time applid Connection not
authorized to db2-id

Explanation
The attempt to connect to the db2-id DB2 subsystem
or group failed because the user was not authorized to
access DB2. Authorization was denied by either RACF
or a user-written connection exit.

System action
The CICS-DB2 attachment does not connect to DB2.

User response
The userid specified on the CICS job was not
authorized to connect to the named DB2 subsystem
or group. Refer to the Administering CICS with Db2
and the CICS documentation for information on how to authorize a user to access DB2.

**Module:**
DFHD2STR

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. db2-id

**Destination**
CDB2

DFHDB2045 *date time applid* Resource Manager *rmi-name* is unknown to the CICS-DB2 Attachment facility.

**Explanation**
The CICS-DB2 Attachment facility received a request for a resource manager with entryname *rmi-name*. This resource name is not known by the CICS-DB2 attachment facility.

**System action**
The transaction is abnormally terminated with abend code AD21. A CICS system dump is taken.

**User response**
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHD2EX1

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. rmi-name

**Destination**
CDB2

DFHDB2044 *date time applid* Authorization parameters for *resname* have been corrupted.

**Explanation**
The CICS-DB2 attachment facility detected that the AUTHTYPE or AUTHID parameters for *resname* have been corrupted since it was last installed or updated by a SET command. *Resname* is the name of the DB2ENTRY involved, or it is set to 'POOL' or 'COMMAND' if it is the pool or command thread authorizations of the DB2CONN that are involved.

**System action**
The transaction is abnormally terminated.

**User response**
If it is a DB2ENTRY involved, the DB2ENTRY needs to be reinstalled, or the AUTHID or AUTHTYPE parameters reset using a SET command to make the DB2ENTRY usable.

For pool or command thread authorizations, a SET DB2CONN command needs to be issued to reset the AUTHID or AUTHTYPE parameters, or the DB2CONN needs to be reinstalled. Note however that a DB2CONN cannot be re-installed without stopping the CICS-DB2 attachment facility first.

**Module:**
DFHD2EX1

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. resname

**Destination**
CDB2

DFHDB2047I *date time applid* The CICS-DB2 Attachment cannot find DB2 {subsystem | group} *id*

**Explanation**
The CICS-DB2 attachment facility failed to connect because the DB2ID or DB2GROUPID *id* cannot be found.

**System action**
The CICS-DB2 attachment facility is inactive.

**User response**
None.

**Module:**
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. Value chosen from the following options:
   1=Subsystem,
   2=Group
5. id

Destination
CDB2, Console and Terminal End User

**Explanation**

The CICS attachment facility was unable to call its EDF processor DFHD2EDF or the CICS attachment facility was unable to decipher storage associated with an SQL statement for CICS transaction `transid` and task `taskid`. Either the SQL communications area (SQLCA) or the RDS input parameter list (RDI) storage could not be interpreted by the CICS-DB2 attachment facility.

**System action**

If the CICS attachment facility was unable to call its EDF processor DFHD2EDF and a transaction dump is taken with dump code AD29.

If DFHD2EDF was called but it was unable to decipher storage, a transaction dump of the storage in question is taken with dump code AD22.

**User response**

For an AD29 dump, analyze the trace in the CICS transaction dump to determine why the call to DFHD2EDF failed. For an AD22 dump, analyze the CICS transaction dump of the storage in question. In this situation the information supplied by the Execution Diagnostic Facility (EDF) of CICS for SQL statements consists of:

- The EDF status: ABOUT TO EXECUTE or COMMAND EXECUTION COMPLETE
- The processing status: CALL TO RESOURCE MANAGER DSNCSQL

- The ARG values associated with this call to the CICS-DB2 attachment facility

No other information is provided about the SQL statement.

**Module:** DFHD2EX1

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. transid
5. taskid

Destination
CDB2

**Explanation**

A resolve indoubt request passed to DB2 from CICS for Unit of Work `X'uowid'` failed with reason code `X'reason-code'`.

**System action**

The UOW remains indoubt in DB2 and CICS keeps hold of the UOW disposition. A CICS system dump is taken with dumpcode 00C30003.

**User response**

Use the reason code to determine why the resolve indoubt request failed.

**Module:** DFHD2EX1

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. db2-id
5. X'uowid'
6. X'reason-code'
Destination
CDB2 and Console

DFHDB2050  date time applid tranid termid
Abend abcode has occurred
in dynamic plan exit program
proname

Explanation
Dynamic plan exit program proname has abnormally
terminated with abend code abcode.

System action
Normal transaction abend processing continues.

User response
See the description of abend code abcode for further
guidance.

If the code is not a CICS transaction abend code, it is
a user abend code. Request an explanation from the
programmer responsible for this area.

Module: DFHD2EX1

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. termid
6. abcode
7. proname

Destination
CDB2

DFHDB2051  date time applid tranid termid
Abend abcode in DFHD2EX1
- Dynamic plan exit program
proname must be AMODE 31.

Explanation
The CICS-DB2 attachment facility has failed to link
to dynamic plan exit program proname because it is
disabled.

System action
Normal transaction abend processing continues.

User response
Enable the dynamic plan exit program.

Module: DFHD2EX1

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. termid
6. abcode
7. proname

Destination
CDB2
DFHDB2054  
*date time applid tranid termid*  
Abend *abcode* in DFHD2EX1 - Link to the dynamic plan exit *proname* failed.

**Explanation**  
An unexpected return code was returned from the link to the dynamic plan exit program *proname* by the CICS-DB2 attachment facility.

**System action**  
Normal transaction abend processing continues.

**User response**  
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**  
DFHD2EX1

**XMEOUT parameters/Message inserts**  
1. *date*  
2. *time*  
3. *applid*  
4. *tranid*  
5. *termid*  
6. *abcode*  
7. *proname*

**Destination**  
CDB2

DFHDB2055  
*date time applid tranid termid*  
Single phase commit failed with reason code *X'reason-code'* for transaction *transid* task *taskid*  

**Explanation**  
CICS requested a single-phase commit from DB2, but DB2 was unable to comply. The request failed with DB2 reason code *reason-code*.

**System action**  
The CICS-DB2 attachment facility abnormally terminates the transaction with abend code AD2W. CICS recovery manager will supersede the AD2W abend code with abend code ASPR.

**User response**  
Ensure that the dynamic plan exit program *proname* has been correctly defined to CICS.

**Module:**  
DFHD2EX1

**XMEOUT parameters/Message inserts**  
1. *date*  
2. *time*  
3. *applid*  
4. *tranid*  
5. *termid*  
6. *abcode*  
7. *proname*
**Destination**

CDB2

**DFHDB2058**

*date time applid tranid termid*

Abend *abcode* in DFHD2EX1 - Fetch for dynamic plan exit program *progname* failed.

**Explanation**

CICS was unable to load the dynamic plan exit program *progname*.

**System action**

Normal transaction abend processing continues.

**User response**

Ensure that the dynamic plan exit program *progname* has been correctly defined and is in a load library accessible to CICS.

**Module:**

DFHD2EX1

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *tranid*
5. *termid*
6. *abcode*
7. *progname*

**Destination**

CDB2

**DFHDB2061**

*date time applid* The INITPARM specified for the CICS-DB2 attachment is invalid. The attachment facility cannot start.

**Explanation**

The initparm for the CICS-DB2 attachment facility is not in the correct format. The format of the INITPARM should be:

```
INITPARM=(DFHD2INI='yyyy')
```

where *yyyy* is a one to four character DB2 subsystem id.

**System action**

The CICS-DB2 attachment facility initialization does not complete.

**User response**

Correct the INITPARM and restart the CICS region, or specify a DB2 subsystem id on a DSNC STRT command or in the DB2CONN. INITPARM is only used when the DB2CONN definition does not contain a DB2ID and a DB2ID is not specified on the startup command.

**Module:**

DFHD2STR, DFHD2CM1

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*

**Destination**

CDB2

**DFHDB2063**

*date time applid* Authorization failure starting the CICS-DB2 attachment with RESP=xxxx and RESP2=yyyy

**Explanation**

An authorization error occurred when starting the CICS-DB2 attachment. The SET DB2CONN CONNECTED responses for RESP (xxxx) and RESP2 (yyyy) indicate the specific error.

**System action**

The CICS-DB2 attachment initialization does not complete.

**User response**

Ensure that the DSNC transaction definition in group DFHDB2 is the installed definition.

**Module:**

DFHD2CM1

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *xxxx*
5. *yyyy*
**Explanation**

The module running under the CICS Execution Diagnostic Facility (EDF) attempted to display an input or output variable that had an incorrect length indicator.

**System action**

EDF processing continues, but the value of the variable is not displayed.

**User response**

Examine the SQL statement in the application program.

**Module:** DFHD2EDF

**Destination**

Terminal End User

**Explanation**

The resource definition for the dynamic plan exit program `progname` defines the program as remote. The dynamic plan exit program must be local to this CICS system.

**System action**

Normal transaction abend processing continues.

**User response**

Correct the PROGRAM resource definition to define the program as local.

**Module:** DFHD2EX1

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `termid`
6. `abcode`
7. `progname`
Destination
CDB2

DFHDB2067  
`date time applid` The CICS-DB2 attachment facility is already inactive.

Explanation
A DSNC STOP command or an EXEC CICS SET DB2CONN NOTCONNECTED command was issued when the CICS-DB2 interface was already inactive.

System action
The CICS-DB2 attachment facility stop processing is ended.

User response
If this was unexpected, examine earlier messages to determine why the CICS-DB2 attachment facility is inactive.

Module: DFHD2STP

XMEOUT parameters/Message inserts
1. `date`
2. `time`
3. `applid`

Destination
CDB2 and Terminal End User

DFHDB2068  
`applid` Send text command to terminal `termid` failed with `eibresp X'eibresp'`.

Explanation
While processing a DSNC command, an EXEC CICS SEND TEXT command to terminal `termid` failed with EIBRESP `eibresp`.

System action
Processing of the command terminates.

User response
Examine the `eibresp` value to determine why the SEND TEXT command failed.

Module: DFHD2CC

XMEOUT parameters/Message inserts
1. `applid`
2. `termid`
3. `X'eibresp'`

Destination
Console and Terminal End User

DFHDB2069  
`applid` Send page command to terminal `termid` failed with `eibresp X'eibresp'`.

Explanation
While processing a DSNC command, an EXEC CICS SEND PAGE command to terminal `termid` failed with EIBRESP `eibresp`.

System action
Processing of the command terminates.

User response
Examine the `eibresp` value to determine why the SEND PAGE command failed.

Module: DFHD2CC

XMEOUT parameters/Message inserts
1. `applid`
2. `termid`
3. `X'eibresp'`

Destination
Console and Terminal End User

DFHDB2070  
`date time applid` Syncpoint rollback failed for transaction `transid with eibresp2 X'eibresp2'`.

Explanation
DB2 detected a deadlock and the CICS-DB2 attachment facility attempted a syncpoint rollback command for transaction `transid` because DROLLBACK(YES) was specified for the DB2ENTRY or POOL. The syncpoint rollback command failed with EIBRESP2 set to `eibresp2`.

Module: DFHD2CC

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**System action**
The transaction is abnormally terminated with abend code AD2Z.

**User response**
Examine the eibresp2 value eibresp2 to determine why the syncpoint rollback request failed. One possible reason could be that the transaction running is a DPL server transaction which was DPLed to by a client transaction without specifying the SYNCONRETURN parameter. In this case syncpoints or syncpoint rollbacks cannot be taken by the server transaction, so DROLLBACK(YES) is invalid in this case.

**Module:**
DFHD2EX1

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. transid
5. X’eibresp2’

**Destination**
CDB2

**Explanation**
This message is in response to a CICS-DB2 attachment facility DSNC MODIFY DESTINATION command. An attempt was made to nullify the first error destination by setting it to ‘****’. The CICS-DB2 attachment facility does not allow a null first error destination. The second and third error destinations may be nullified.

**System action**
The transaction will use a DB2 thread from the pool. This message is output for each task that attempts to use the disabled DB2ENTRY.

**User response**
Determine why the DB2ENTRY has been disabled. If appropriate re-enable the DB2ENTRY.

**Module:**
DFHD2EX1

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. transid
5. tasknum
6. db2ename

**Destination**
CDB2

**Explanation**
Transaction transid is associated with DB2ENTRY db2ename which is turn refers to DB2ENTRY db2ename which is not installed. The DB2TRAN db2tname is an ‘orphan’ in that it refers to a DB2ENTRY that is not installed in the CICS system.
does not exist. A DB2TRAN cannot be installed unless its associated DB2ENTRY has been installed first. Hence either the DB2ENTRY has subsequently been discarded or the DB2TRAN modified by a SET command to refer to a non-existent DB2ENTRY.

System action

The transaction will use a DB2 thread from the pool.

This message is output only when an attempt is made to locate a DB2ENTRY for the transaction. Having decided to use the pool, the CICS-DB2 attachment facility will use the pool for all subsequent transactions of the same name without locating the DB2ENTRY each time. When any DB2TRAN or DB2ENTRY is installed or modified will this force a relocate of the DB2ENTRY next time the transaction is run.

User response

Determine why the DB2ENTRY is not installed. If appropriate re-install the DB2ENTRY.

Module:

DFHD2EX1

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. db2tname
6. db2ename

Destination

CDB2

DFHDB2074 date time applid CICS-DB2 Attachment facility startup cannot proceed as the currently installed DB2CONN is not useable.

Explanation

The CICS-DB2 Attachment facility detected that the currently installed DB2CONN is marked for discard. This implies that a previous discard of the DB2CONN did not complete successfully. A discard of a DB2CONN involves CICS discarding all DB2TRANs and DB2ENTRYs first before discarding the DB2CONN. The discard request failed before finally deleting the DB2CONN.

System action

Startup of the CICS-DB2 interface does not complete.

User response

Re-issue the discard for the DB2CONN. When it has been successfully discarded, re-install the required DB2CONN, DB2ENTRYs and DB2TRANs and then retry the startup of the CICS-DB2 interface.

Module:

DFHD2STR

XMEOUT parameters/Message inserts

1. date
2. time
3. applid

Destination

CDB2 and Terminal End User

DFHDB2080 date time applid tranid termid Abend abcode has occurred in the set packageset program DFHD2SPS.

Explanation

The set packageset program DFHD2SPS has abnormally terminated with abend code abcode.

System action

Normal transaction abend processing continues.

User response

See the description of abend code abcode for further guidance.

Module:

DFHD2EX1

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. termid
6. abcode
**Destination**
CDB2

**DFHDB2083**
*date time applid tranid termid*  
Abend *abcode* in DFHD2EX1 -  
The set packageset program DFHD2SPS is disabled.

**Explanation**
The CICS-DB2 attachment facility has failed to link to
the set packageset program DFHD2SPS because it is
disabled.

**System action**
Normal transaction abend processing continues.

**User response**
Enable the DFHD2SPS program.

**Module:**
DFHD2EX1

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *tranid*
5. *termid*
6. *abcode*

**Destination**
CDB2

**DFHDB2084**
*date time applid tranid termid*  
Abend *abcode* in DFHD2EX1 - Link  
to the set packageset program DFHD2SPS failed.

**Explanation**
An unexpected return code was returned from the
link to the set packageset program DFHD2SPS by the  
CICS-DB2 attachment facility.

**System action**
Normal transaction abend processing continues.

**User response**
Ensure that the set packageset program DFHD2SPS  
has been correctly defined to CICS. The definition for  
DFHD2SPS cannot be autoinstalled.

The definition for DFHD2SPS is supplied in CICS  
defined group DFHDB2. Ensure CSD definitions have  
been upgraded.

**Module:**
DFHD2EX1

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *tranid*
5. *termid*
6. **abcode**

### Destination

**CDB2**

**DFHDB2088**

Abend **abcode** in DFHD2EX1 - Fetch for the set packageset program DFHD2SPS failed.

#### Explanation

CICS was unable to load the set packageset program DFHD2SPS.

#### System action

Normal transaction abend processing continues.

#### User response

Ensure that the set packageset program DFHD2SPS has been correctly defined and is in a load library accessible to CICS.

**Module:** DFHD2EX1

### XMEOUT parameters/Message inserts

| 1. date  | 2. time  |
| 3. applid | 4. tranid |
| 5. termid | 6. abcode |

### Destination

**CDB2**

**DFHDB2100**

**applid** Program DFHD2RP cannot be found.

#### Explanation

CICS cannot link to the CICS/DB2 restart program (DFHD2RP).

CICS cannot find DFHD2RP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

#### System action

CICS initialization terminates with message DFHSI1521 and a dump is taken.

#### User response

To correct this error, place DFHD2RP in a partitioned data set in the DFHRPL DD statement.

**Module:** DFHD2IN2

### XMEOUT parameters/Message inserts

| 1. applid |

### Destination

**Console**

**DFHDB2101**

**tranid DB2CONN db2conn-name** has been added.

---

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Explanation
This is an audit log message indicating that DB2CONN
$db2conn-name$ has been added to the CICS system
using the INSTALL command or EXEC CICS CREATE. Where:

- $terminal$ is the netname or termid of the terminal
  associated with the transaction issuing the message.
  If there is no terminal associated with the
  transaction, the terminal name is suppressed.
- $userid$ is the user identifier of the user associated
  with the transaction issuing the message.
- $tranid$ is the transaction issuing the message.

There can be only one DB2CONN installed in the CICS
system at a time.

System action
The system continues normally.

User response
None.

Module:
DFHD2TM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. $db2conn-name$

Destination
CDB2

DFHDB2102 date time applid terminal userid
$tranid$ DB2CONN $db2conn-name$ has been replaced.

Explanation
This is an audit log message indicating that DB2CONN
$db2conn-name$ has been replaced using the INSTALL
command or EXEC CICS CREATE. Where:

- $terminal$ is the netname or termid of the terminal
  associated with the transaction issuing the message.
  If there is no terminal associated with the
  transaction, the terminal name is suppressed.
- $userid$ is the user identifier of the user associated
  with the transaction issuing the message.
- $tranid$ is the transaction issuing the message.

System action
The system continues normally.

Module:
DFHD2TM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. $db2conn-name$

Destination
CDB2

DFHDB2103 date time applid terminal userid
$tranid$ DB2CONN $db2conn-name$ has been deleted.

Explanation
This is an audit log message indicating that DB2CONN
$db2conn-name$ has been deleted from the CICS
system using the DISCARD command. Where:

- $terminal$ is the netname or termid of the terminal
  associated with the transaction issuing the message.
  If there is no terminal associated with the
  transaction, the terminal name is suppressed.
- $userid$ is the user identifier of the user associated
  with the transaction issuing the message.
- $tranid$ is the transaction issuing the message.

This message will have been preceded by messages
indicating the deletion of any currently installed
DB2ENTRYs and DB2TRANs which by definition
are always associated with the currently installed
DB2CONN.
User response
None.

Module:
DFHD2TM

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. db2conn-name

**Destination**
CDB2

DFHDB2104  date time applid terminal userid tranid DB2ENTRY db2entry-name
has been added.

**Explanation**
This is an audit log message indicating that DB2ENTRY db2entry-name has been added to the CICS system using the INSTALL command or EXEC CICS CREATE. Where:

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

**System action**
The system continues normally.

User response
None.

Module:
DFHD2TM

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. db2entry-name

**Destination**
CDB2

DFHDB2105  date time applid terminal userid tranid DB2ENTRY db2entry-name
has been replaced.

**Explanation**
This is an audit log message indicating that DB2ENTRY db2entry-name has been replaced in the RCT using the INSTALL command or EXEC CICS CREATE. Where:

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

**System action**
The system continues normally.

User response
None.

Module:
DFHD2TM

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. db2entry-name

**Destination**
CDB2

DFHDB2106  date time applid terminal userid tranid DB2ENTRY db2entry-name
has been deleted.
**Explanation**

This is an audit log message indicating that DB2ENTRY 
*db2entry-name* has been deleted from the CICS 
system using the DISCARD command. Where:

- *terminal* is the netname or termid of the terminal 
  associated with the transaction issuing the message. 
  If there is no terminal associated with the 
  transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated 
  with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

**System action**
The system continues normally.

**User response**
None.

**Module:**
DFHD2TM

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *terminal*
5. *userid*
6. *tranid*
7. *db2entry-name*

**Destination**
CDB2

**Explanation**
This is an audit log message indicating that DB2TRAN 
*db2tran-name* has been added to the CICS system 
using the INSTALL command or EXEC CICS CREATE. Where:

- *terminal* is the netname or termid of the terminal 
  associated with the transaction issuing the message. 
  If there is no terminal associated with the 
  transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated 
  with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

**System action**
The system continues normally.

**User response**
None.

**Module:**
DFHD2TM

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *terminal*
5. *userid*
6. *tranid*
7. *db2tran-name*

**Destination**
CDB2

**Explanation**
This is an audit log message indicating that DB2TRAN 
*db2tran-name* has been replaced using the INSTALL 
command or EXEC CICS CREATE. Where:

- *terminal* is the netname or termid of the terminal 
  associated with the transaction issuing the message. 
  If there is no terminal associated with the 
  transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated 
  with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

**System action**
The system continues normally.

**User response**
None.

**Module:**
DFHD2TM

**XMEOUT parameters/Message inserts**
1. *date*
2. time
3. applid
4. terminal
5. userid
6. tranid
7. db2tran-name

Destination
CDB2

DFHDB2109 date time applid terminal userid tranid DB2TRAN db2tran-name has been deleted.

Explanation
This is an audit log message indicating that DB2TRAN db2tran-name has been deleted from the CICS system using the DISCARD command. Where:

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

System action
The system continues normally.

User response
None.

Module:
DFHD2TM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. db2tran-name

Destination
CDB2

DFHDB2110I date time applid The total number of threads exceeds TCBLIMIT.

Explanation
The CICS-DB2 Attachment Facility detected that the total number of threads (for the pool plus all DB2ENTRYs) exceeds the value of TCBLIMIT in the DB2CONN. A thread cannot execute without a TCB.

System action
Processing continues.

User response
Review the setting of TCBLIMIT in the DB2CONN and the THREADLIMIT values in the DB2CONN and all DB2ENTRYs.

You can suppress this message with the SIT parameter, MSGLEVEL = 0.

Module:
DFHD2TM

Destination
CDB2 and Console

DFHDB2207 date time applid Load error rc abend-code for module modname

Explanation
Error rc with abend-code occurred when the CICS-DB2 attachment facility initialization attempted to use the MVS LOAD macro to load module modname.

System action
The CICS-DB2 attachment initialization does not complete.

User response
Resolve the problem indicated by the LOAD return code and abend code.

Module:
DFHD2STR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. rc
5. abend-code
6. modname

**Destination**
CDB2

**DFHDB2208** date time applid Delete error rc for module modname

**Explanation**
Error rc occurred when the CICS-DB2 attachment facility attempted to use the MVS DELETE macro to delete module modname during shutdown of the CICS-DB2 interface.

**System action**
The CICS-DB2 attachment shutdown continues.

**User response**
Resolve the problem indicated by the DELETE return code.

**Module:** DFHD2STP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. rc
5. modname

**Destination**
CDB2

**DFHDB2210** date time applid DB2 subsystem id db2-id contains invalid characters. The CICS-DB2 Attachment facility is not started.

**Explanation**
The CICS-DB2 attachment facility startup cannot complete because the db2-id subsystem id specified on the DSNC STRT command contains invalid characters.

**System action**
The CICS-DB2 attachment facility does not start.

**User response**
Correct the DB2 subsystem id and retry the DSNC STRT command.

**Module:** DFHD2CM1

**Destination**
Terminal End User

**DFHDB2211I** date time applid Maxopentcbs value of xxx conflicts with the tcblimit setting of yyy in the DB2CONN definition.

**Explanation**
The CICS-DB2 Attachment Facility detected that CICS is connected to DB2 Version 6 or later and that the value of MAXOPENTCBS is lower than the TCBLIMIT setting in the DB2CONN definition. If the MAXOPENTCBS value has not been specified the value is based on the max tasks (MXT) value, namely (2*MXT)+32.

When CICS is connected to DB2 Version 6 or later, the CICS-DB2 Attachment Facility uses CICS open TCBs to access DB2 rather than privately managed subtask TCBs. The MAXOPENTCBS value defines the maximum number of open TCBs allowed in the CICS system for use by all openapi enabled task related user exits.

The TCBLIMIT parameter on the DB2CONN definition defines how many of the open TCBs can be used for DB2, that is, a subset of MAXOPENTCBS for use with DB2.

**System action**
Startup of the CICS-DB2 attachment continues.

**User response**
Review the setting of TCBLIMIT in the DB2CONN and the MAXOPENTCBS or MXT value.

You can suppress this message with the SIT parameter, MSG_LVL = 0.

**Module:** DFHD2STR

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. xxx
Destination
CDB2 and Console

DFHDB2212  

The DB2 subsystem ID db2_id specified for the CICS-DB2 attachment cannot be found. The attachment facility cannot start.

Explanation
The CICS-DB2 attachment facility startup cannot complete because the db2_id subsystem ID specified on the DSNC STRT command cannot be found.

System action
The CICS-DB2 attachment facility does not start.

User response
Correct the DB2 subsystem ID and retry the DSNC STRT command.

Module:
DFHD2CM1

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid

Destination
CDB2

DFHDB2301  

The DB2 command processing is complete.

Explanation
The DB2 command processing is complete.

System action
Control is returned to the user.

User response
None.

Module:
DFHD2CM1

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid

Destination
CDB2 and Terminal End User

DFHDB8101  

Connection to DBCTL xxxx is now complete. Startup Table Suffix used is xx.
Explanation
DBCTL has notified CICS that the CICS-DBCTL connection is complete.

System action
CICS resynchronizes any outstanding DBCTL indoubts.

User response
None.

Module:
DFHDBCT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. xxxx
5. xx

Destination
CDBC

DFHDB8102 I date time applid Disconnect from DBCTL xxxx is now complete.

Explanation
CICS has successfully disconnected from DBCTL.

System action
CICS has successfully disconnected from DBCTL and performed its clean up.

User response
None.

Module:
DFHDBDI

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. xxxx
5. rc
6. reason

DFHDB8103 E date time applid IDENTIFY request to DBCTL xxxx has failed. MVS SSI return code rc, reason code reason.

Explanation
CICS has attempted to connect to DBCTL. The attempt has failed. CICS has been notified that DBCTL is not currently executing. The return code from MVS SSI, reported in PAPLRETC, is rc. The reason code from MVS SSI, reported in PAPLRCOD, is reason. The return and reason codes reported in PAPLRETC and PAPLRCOD are explained in the IMS messages and codes.

System action
CICS attempts to connect to DBCTL at 5 second intervals, issuing this message at each attempt, and message DFHDB8297 at 1 minute intervals, until either:

1. Disconnection is requested via the CICS supplied DBCTL support menu transaction, CDBC.
2. 10 minutes have elapsed, after which time CICS stops attempting to connect and IMS message DFS0690 is issued, requesting the operator to type in WAIT (retry the connection attempt) or CANCEL (abandon the connection attempt).

Refer to the explanation of DFHDB8297 for more information. Refer to the IMS messages and codes for further information on message DFS0690.

User response
Check why DBCTL is not running. You can cancel the connection attempts by using the CDBC transaction to issue a disconnect request. If message DFH0690 has been issued you should reply to this.

Module:
DFHDBCT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. xxxx
5. rc
6. reason
**Destination**

CDBC

**DFHDB8104 E**  
*date time applid IDENTIFY request to DBCTL xxxx*  
has been rejected by DBCTL.  
*{System abend code | IMS user abend code | DBCTL return code } rc.*

**Explanation**

CICS has attempted to connect to DBCTL. The attempt has failed. CICS has been notified that DBCTL has rejected the identify request.

**System action**

The attempt to connect to DBCTL is abandoned and the storage associated with the CICS-DBCTL interface is cleaned up. Message DFHDB8102 is output.

**User response**

For further information about the nonzero response code, if *rc* is:

- A **system abend code**, refer to the z/OS MVS System Codes manual
- An **IMS user abend code**, refer to the IMS messages and codes

An IMS user abend code U0402 can occur when there is a mismatch of IMS code. Check:

- The correct DRA startup table suffix is specified on the CDBC panel or on the SIT INITPARM parameter.
- The DSNNAME parameter in the DRA startup table specifies the correct IMS RESLIB.
- The correct IMS RESLIB library is specified if present in the CICS Steplib or in Linklist.
- A **DBCTL return code**, refer to the IMS messages and codes.

**Module:** DFHDBCT

**DFHDB8105 W**  
*date time applid Operator has requested cancellation of the connection to DBCTL.*

**Explanation**

DBCTL notifies CICS that the operator has replied 'CANCEL' to IMS message DFS0690. Refer to the IMS messages and codes for information on IMS message DFS0690.

**System action**

CICS cleans up the storage associated with the CICS-DBCTL interface and issues message DFHDB8102.

**User response**

None. This message is for information only.

**Module:** DFHDBCT

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *xxxx*
5. Value chosen from the following options:

   1=System abend code ,
   2=IMS user abend code ,
   3=DBCTL return code

**DFHDB8106 E**  
*date time applid The DRA has abnormally terminated. CICS is no longer connected to DBCTL id xxxx.*

**Explanation**

DBCTL has notified CICS that the database resource adapter (DRA) is abnormally terminating.

**System action**

CICS cleans up the storage associated with the CICS-DBCTL interface and disconnects from DBCTL. CICS then issues message DFHDB8102.
User response
See the CICS documentation for information about problem determination. If you wish to reconnect CICS to DBCTL, use the menu transaction CDBC.

Module: DFHDBCT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. xxxx

Destination CDBC

DFHDB8107 E  date time applid DBCTL xxxx
has abnormally terminated. Will attempt to reconnect.

Explanation
DBCTL notifies CICS it is about to terminate.

System action
CICS will attempt to reconnect to DBCTL.

User response
Notify the system programmer.

Look for messages output by the DBCTL system and determine why DBCTL failed. Restart DBCTL if required.

Module: DFHDBCT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. xxxx

Destination CDBC

DFHDB8108 I  date time applid Request to DL/I failed for transaction tranid, task taskid, recovery token X'nnn'{, system abend code | , IMS user abend code | , DBCTL return code } rc, DBCTL id xxxx.

Explanation
DBCTL xxxx returns a nonzero response code rc when a DL/I request has been issued from an application program.

System action
The CICS transaction may be abnormally terminated.

User response
If the CICS transaction is abnormally terminated, refer to the accompanying CICS transaction abend code.

For further information about the nonzero response code, if rc is:

- A system abend code, refer to the z/OS MVS System Codes manual
- An IMS user abend code, refer to the IMS messages and codes
A DBCTL return code, refer to the IMS messages and codes.

For further information about the unit of recovery, refer to the CICS documentation.

**Module:** DFHDLIDP

### XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. taskid
6. X’nn’
7. Value chosen from the following options:
   1. system abend code
   2. IMS user abend code
   3. DBCTL return code
8. rc
9. xxxx

**Destination**

CDBC

**DFHDB8110 E** date time applid Non zero return code from DFHDBAT. Return code rc for request request.

### Explanation

The module DFHDBAT, which is a task related user exit forming part of the CICS-DBCTL interface, returns a nonzero return code in reply to a request issued from CICS to DBCTL.

### System action

The request to DBCTL fails.

Three types of request to DBCTL can fail in this way:

1. A request to connect to DBCTL from module DFHDBCON
2. A request to disconnect from DBCTL from module DFHDBDSC
3. A DL/I request from an application program via module DFHDLIDP

Message DFHME0116, which contains the symptom string for this problem, is produced.

### User response

The return code is one of the following:

**4 ? CALL NOT UNDERSTOOD**

This can be returned when attempting to connect, disconnect or issue DL/I requests to DBCTL. The most likely cause is a storage overwrite. If CICS detects a storage overwrite, a dump is taken.

**8 ? REDUNDANT INTERFACE CALL**

This can be returned when attempting to connect or disconnect from DBCTL. The request is ignored.

**16 ? DISCONNECT PRE-EMPTED**

This can be returned when attempting to disconnect from DBCTL while a disconnection request is already being processed.

**24 ? ADAPTER NOT READY**

A request has been made to the adaptor DFHDBAT but CICS is still in the process of connecting to DBCTL.

**28 ? ADAPTER IS DISABLED**

This indicates that the CICS-DBCTL interface is not available.

**Note:**

The DBCTL interface terminates normally after any inflight tasks accessing DBCTL complete the unit of work. Subsequently any new unit of work or ATI task can receive this return code because of a PCB schedule failure.

**Module:** DFHDBCON, DFHDBDSC, DFHDLIDP

### XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. rc
5. request

**Destination**

CDBC

**DFHDB8111 E** date time applid Connection has failed. DBCTL return code rc, reason code rs.

### Explanation

DBCTL returns a nonzero response code when CICS is attempting to connect to it.
System action
The connection attempt is abandoned.

User response
Notify the system programmer.
For further information about the DBCTL return and reason codes refer to the IMS messages and codes.

Module:
DFHDBC0N

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. rc
5. rs

Destination
CDBC

DFHDB8112 E date time applid Unable to generate Task Token due to purge request.

Explanation
The module, DFHDBTOX, was invoked:
• To set up a task token, or
• To GETMAIN some storage.
The GETMAIN failed.

System action
Processing continues.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
This message indicates that there is a storage management problem. You should check for other messages issued from the CICS region to the MVS console.
See the Troubleshooting and support for guidance on dealing with storage problems.

Module:
DFHDBTOX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CDBC

DFHDB8113 E date time applid Getmain failure for storage to hold the indoubt list. Resync has not taken place.

Explanation
Connection to DBCTL has been completed, but there are some in-doubts outstanding. The GETMAIN to store the in-doubts has failed.

System action
CICS remains connected to DBCTL but the in-doubts are not resolved.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
This message indicates that there is a storage management problem. You should check for other messages issued from the CICS region to the MVS console.
See the Troubleshooting and support for guidance on dealing with storage problems.

Module:
DFHDBCT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CDBC

DFHDB8114 E date time applid Connection has failed. DRA startup table with suffix xx cannot be found.
Explanation
An attempt has been made to connect CICS to DBCTL but the DRA Startup Table with the suffix xx cannot be found.

System action
The connection attempt is abandoned.

User response
If you were using the DBCTL Support Menu transaction, CDBC, check to see if you have mistyped the suffix value.
If you have not mistyped the suffix value then notify the system programmer.
Place the DRA Startup Table in a CICS STEPLIB library.
For further guidance on how to do this, see the CICS documentation.

Module: DFHDBCON

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. xx

Destination CDBC

DFHDB8116 I date time applid Connection to DBCTL xxxx is proceeding. Startup Table Suffix used is xx.

Explanation
The first phase of connecting CICS to DBCTL has been completed.

System action
CICS connection to DBCTL proceeds.

User response
None.

Module: DFHDBCON

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. xxxx
5. xx

Destination CDBC

DFHDB8117 W date time applid No connection to DBCTL made although the connection program is in the PLT.

Explanation
An attempt has been made to connect CICS to DBCTL but the DRA Router module, DFSPRRC0, cannot be found.

System action
The connection attempt is abandoned.

User response
Place the module DFSPRRC0 in a CICS STEPLIB library. For further guidance on how to do this, refer to the CICS documentation.

Module: DFHDBCON
This is a warning message. In this case, if you wish to connect CICS to DBCTL then use the DBCTL Support Menu transaction, CDBC.

**Module:** DFHDBCON

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid

**Destination**

CDBC

DFHDB8118 E  
*date time applid CICS is INDOUBT about the LUW with recovery token X'rectok' after issuing a single phase commit request to DBCTL. {SYSTEM ABEND CODE | IMS USER ABEND | DBCTL RETURN CODE} rc.*

**Explanation**

CICS was attempting to syncpoint updates made to IMS databases via DBCTL for the logical unit of work (LUW) identified by unit of recovery X'rectok'. CICS has detected that updates were made to only one resource manager, DBCTL, in this LUW, and hence has issued a single-phase commit to DBCTL, in place of the normal two-phase commit process. An unexpected response to the single-phase commit has been received from DBCTL, and so CICS is INDOUBT about this LUW. CICS is unable to report whether the updates made via DBCTL have been committed or backed out. No local CICS resources are affected.

**System action**

The transaction terminates abnormally with abend code ADCS and a transaction dump. CICS processing continues.

**User response**

The unit of recovery X'rectok' output with this message can be used in conjunction with IMS message DFSxxxx output on the IMS console to determine the outcome of the LUW.

If the IMS region has failed, on restart of the IMS region, IMS will output DFSxxxx messages for each LUW that has committed using the single-phase commit protocol. The DFSxxxx message contains the same X'rectok' recovery token as output in this message. While matching up the recovery tokens, if a DFSxxxx message is found with the same recovery token, then the LUW was committed. Failure to find a relevant DFSxxxx message means that the LUW has been backed out.

Rather than the IMS region failing, if the bad response to single-phase commit was caused by an individual thread failure and the LUW has been committed, then IMS outputs a DFSxxxx message for just this LUW.

For further information on IMS message DFSxxxx, refer to the IMS messages and codes.
For further information about the nonzero response code, if rc is:

- A **system abend code**, refer to the z/OS MVS System Codes manual
- An **IMS user abend code**, refer to the IMS messages and codes
- A **DBCTL return code**, refer to the IMS messages and codes.

**Module:** DFHDBAT

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. X'rectok'
5. Value chosen from the following options:
   1. SYSTEM ABEND CODE,
   2. IMS USER ABEND,
   3. DBCTL RETURN CODE
6. rc

**Destination**

CDBC

**DFHDB8120 I** 

*date time applid* DBCTL may be INDOUBT about the LUW with recovery token X'nn', which CICS has {committed | backed out}, {SYSTEM ABEND CODE | IMS USER ABEND CODE | DBCTL RETURN CODE} rc.

**Explanation**

CICS has received a bad return code from DBCTL for a commit or backout request for the logical unit of work (LUW) identified by unit of recovery X'nn'.

**System action**

CICS has either backed out or committed this LUW. CICS continues.

**User response**

At the next reconnection, CICS and DBCTL resolve all INDOUBTS.

Alternatively you can request DBCTL to find out if the LUW is INDOUBT, and instruct DBCTL to commit it or back it out. For more information on how to do this, refer to the CICS documentation.

For further information about the nonzero response code, if rc is:

- a **system abend code**, refer to the z/OS MVS System Codes manual
- an **IMS user abend code**, refer to the IMS messages and codes
- a **DBCTL return code**, refer to the IMS messages and codes.

**Module:** DFHDBAT

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. X'nn'
5. Value chosen from the following options:
   1. committed,
   2. backed out
6. Value chosen from the following options:
   1. SYSTEM ABEND CODE,
   2. IMS USER ABEND CODE,
   3. DBCTL RETURN CODE

7. rc

**Destination**

CDBC

**DFHDB8121 I** 

*date time applid* A failure has occurred in DBCTL during syncpoint prepare processing. {System abend code | IMS user abend code | DBCTL return code | IMS fast path status code} rc.

**Explanation**

CICS has detected a failure in DBCTL during syncpoint prepare processing.

**System action**

The transaction terminates abnormally with abend code ASP7 and a transaction dump. CICS processing continues.
User response

Refer to the abend code ASP7 for further information about the accompanying CICS transaction.

For further information about the nonzero response code, if rc is:

- A system abend code, refer to the z/OS MVS System Codes manual
- An IMS user abend code, refer to the IMS messages and codes
- A DBCTL return code, refer to the IMS messages and codes
- An IMS fast path status code, refer to the IMS messages and codes: Fast Path utility status and reason codes if you were running an EXEC DLI program at the time of the message, or if you were using CALL, refer to the IMS messages and codes: DL/I status codes.

Module:
DFHDBAT

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. Value chosen from the following options:
   1=System abend code,
   2=IMS user abend code,
   3=DBCTL return code,
   4=IMS fast path status code
5. rc

Destination
CDBC

DFHDB8122I applid CICS is about to disconnect from DBCTL for CICS shutdown.

Explanation
CICS was connected to DBCTL when CICS termination commenced. CICS is going to issue a disconnect request.

System action
CICS disconnection from DBCTL proceeds.

User response
None. You can suppress this message with the SIT parameter, MSGLEVEL = 0.

Module:
DFHDBAT

XMEOUT parameters/Message inserts

1. applid

Destination
Console

DFHDB8123I applid CICS disconnection from DBCTL for CICS shutdown has completed successfully.

Explanation
CICS was connected to DBCTL when CICS termination commenced. CICS has successfully disconnected from DBCTL.

System action
CICS shutdown continues.

User response
None. You can suppress this message with the SIT parameter, MSGLEVEL = 0.

Module:
DFHDBAT

XMEOUT parameters/Message inserts

1. applid

Destination
Console

DFHDB8124 E date time applid CICS disconnection from DBCTL for CICS shutdown has {failed, | timed out.} {System abend code | IMS user abend code | DBCTL return code | } rc

Explanation
CICS was connected to DBCTL when CICS termination commenced. CICS disconnection from DBCTL failed for one of the reasons given in the message text.
System action
CICS shutdown continues.

User response
If the failure is due to a timed out condition, the message indicates that the time elapsed since CICS requested disconnection has reached the interval specified in the TIMEOUT parameter of the DRA interface without a response from DCBTL. The default interval is 60 seconds.

If failure is due to any other condition, a nonzero return code is given. If rc is:

- A **system abend code**, refer to the z/OS MVS System Codes manual
- An **IMS user abend code**, refer to the IMS messages and codes
- A **DBCTL return code**, refer to the IMS messages and codes.

Module: DFHDBAT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1. failed,
   2. timed out.
5. Value chosen from the following options:
   1. System abend code,
   2. IMS user abend code,
   3. DBCTL return code,
   4. 
6. rc

Destination
Console

DFHDB8128 W date time applid Error linking to the CICS-DBCTL user replaceable program DFHDBUEX from module modname.

Explanation
An attempt was made to invoke the user replaceable module, DFHDBUEX, but the module was not available.

System action
CICS disregards the failure and continues execution.

User response
Ensure that module DFHDBUEX is available.

Module: DFHDBCT, DFHDBDSC.

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. modname

Destination
CDBC

DFHDB8129 E date time applid Getmain failure in the Control Exit DFHDBCTX.

Explanation
The MVS GETMAIN request failed in DFHDBCTX.

System action
The CICS-DBCTL interface remains unchanged.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
This message indicates that there is a storage management problem. Check for other messages issued from the CICS region to the MVS console.

See the Troubleshooting and support for guidance on dealing with storage problems.

Module: DFHDBCTX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
Destination
CDBC
DFHDB8130 E <date time applid> Disconnection has failed. DBCTL return code rc.

Explanation
The disconnection attempt failed in DBCTL.

System action
CICS abandons the attempt to disconnect from DBCTL.

User response
For further information about the DBCTL return code, refer to the IMS messages and codes.

Module:
DFHDBDSC

XMEOUT parameters/Message inserts
1. <date>
2. <time>
3. <applid>
4. <rc>

Destination
CDBC
DFHDB8131 E <date time applid> The CICS-DBCTL control transaction has abnormally terminated with abend abcode.

Explanation
The CICS-DBCTL control transaction, CDBO, has failed.

System action
The CICS/DBCTL interface is no longer usable.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
See the description of abend abcode for further guidance.
If you wish to use DBCTL from this CICS system again, you have to restart CICS.

Module:
DFHDBCTX

Destination
Console
DFHDB8201I The key that you pressed has no meaning on this panel.

Explanation
The terminal operator has pressed the wrong key when using either
- CDBI, the CICS-DBCTL support inquiry transaction (Module DFHDBIQ), or
- CDBC, the CICS-DBCTL support menu transaction (Module DFHDBME).
**System action**
CICS ignores the key pressed.

**User response**
Check the allowable keys display which appears at the bottom of the screen and try a valid key.

**Module:**
DFHDBIQ, DFHDBME

**Destination**
TERMCDBC

**DFHDB8202** Selection must be one of those shown above.

**Explanation**
The terminal operator has typed in an invalid option when using CDBC, the DBCTL Support Menu Transaction.

**System action**
CICS rejects the invalid option.

**User response**
Check the allowable options that appear on the screen and choose the appropriate one.

**Module:**
DFHDBME

**Destination**
TERMCDBC

**DFHDB8204** Invalid DRA startup table suffix supplied.

**Explanation**
The terminal operator has typed invalid startup table suffix when using CDBC, the DBCTL Support Menu Transaction. The suffix must be one or two characters long consisting only of characters valid for a partitioned data set member name.

**System action**
CICS rejects the invalid Startup Table Suffix.

**User response**
Correct the startup table suffix and try again. You may need to check the suffix with your system programmer.

**Module:**
DFHDBME

**Destination**
TERMCDBC

**DFHDB8207D** Connection to DBCTL requested. Press PF5 to confirm.

**Explanation**
The terminal operator has requested that CICS should be connected to DBCTL.

This message is not used when you are running the CDBC transaction at the console. If you are running the CDBC transaction on the console, the terminal PF5 key function (to confirm the request) is not used.

**System action**
If the PF5 key is pressed, then CICS will connect to DBCTL. If any other key is pressed in response to this message, CICS will not connect to DBCTL.

**User response**
Press the PF5 key if you wish to proceed with connecting CICS to DBCTL. If you do not wish the connection to proceed then press the PF3 key to terminate the transaction, or change the input data and press enter.

**Module:**
DFHDBME

**Destination**
TERMCDBC

**DFHDB8208D** DBCTL immediate disconnection requested. Press PF5 to confirm.

**Explanation**
The terminal operator has requested that CICS should be disconnected from DBCTL immediately.

This message is not used when you are running the CDBC transaction at the console. If you are running the CDBC transaction on the console, the terminal PF5 key function (to confirm the request) is not used.

**System action**
If the PF5 key is pressed, then all DL/I requests issued from this CICS system and currently being processed in DBCTL will complete and then CICS will disconnect from DBCTL. Tasks which have been using DBCTL...
but have not yet issued a CICS SYNCPOINT, either explicitly in the application or implicitly as a result of CICS task termination processing, will abnormally terminate with abend code ASP7. If any other key is pressed in response to this message, CICS will not disconnect from DBCTL.

**User response**

Press the PF5 key if you wish to proceed with disconnecting CICS from DBCTL immediately. If you do not wish the disconnection to proceed then press the PF3 key to terminate the transaction, or change the input data and press enter.

**Module:**
DFHDBME

**Destination**
TERMCDBC

**DFHDB8209D**  DBCTL orderly disconnection requested. Press PF5 to confirm.

**Explanation**

The terminal operator has requested that CICS should be disconnected from DBCTL in an orderly manner. This message is not used when you are running the CDBC transaction at the console. If you are running the CDBC transaction on the console, the terminal PF5 key function (to confirm the request) is not used.

**System action**

If the PF5 key is pressed, then all tasks running in this CICS system that have already used DBCTL will complete and then CICS will disconnect from DBCTL. No new tasks running in this CICS system will be permitted to use DBCTL until CICS is connected to DBCTL again. If any other key is pressed in response to this message, CICS will not disconnect from DBCTL.

**User response**

Press the PF5 key if you wish to proceed with disconnecting CICS from DBCTL in an orderly way. If you do not wish the disconnection to proceed then press the PF3 key to terminate the transaction, or change the input data and press enter.

**Module:**
DFHDBME

**Destination**
TERMCDBC

**DFHDB8210D**  Connection to DBCTL is proceeding. Check CDBC TD queue.

**Explanation**

The operator has pressed PF5 in response to message DFHDB8207 or the CDBC transaction was used from the MVS operator console to connect to DBCTL. CICS issues further messages concerning the connection to the CDBC transient data destination.

**System action**

CICS proceeds with the connection attempt.

**User response**

Press PF3 to terminate the transaction. Press PF2 to refresh the status information on the screen. If you are running the CDBC transaction on the console, the PF key functions are not available. Check the CDBC transient data destination for further messages.

**Module:**
DFHDBME

**Destination**
TERMCDBC

**DFHDB8211D**  Orderly disconnection from DBCTL is proceeding. Check CDBC TD queue.

**Explanation**

The operator has pressed PF5 in response to message DFHDB8209. CICS issues further messages concerning the disconnection to the CDBC transient data destination. Additionally, DBCTL issues some messages to the MVS console.

**System action**

CICS proceeds with the disconnection attempt.

**User response**

You are now able to use your terminal to perform other functions. You can check to see how the disconnection attempt is proceeding by using the refresh key to refresh the CICS-DBCTL status information on the screen. In case of problems, for example, CICS does not disconnect from DBCTL, check the CDBC transient data destination.

**Module:**
DFHDBME
**Destination**
TERMCDDBC

**DFHDB8212D**  Immediate disconnection from DBCTL is proceeding. Check CDBC TD queue.

**Explanation**
The operator has pressed PF5 in response to message DFHDB8208. CICS issues further messages concerning the disconnection to the CDBC transient data destination. Additionally, DBCTL issues some messages.

**System action**
CICS proceeds with the disconnection attempt.

**User response**
You are now able to use your terminal to perform other functions. You can check to see how the disconnection attempt is proceeding by using the refresh key to refresh the CICS-DBCTL status information on the screen. In case of problems, for example, CICS does not disconnect from DBCTL, check the CDBC transient data destination.

**Module:** DFHDBME

**Destination**
TERMCDDBC

**DFHDB8213**  Connection to DBCTL is already in progress. Request is ignored.

**Explanation**
The terminal operator has requested that CICS should connect to DBCTL when CICS is already connected to DBCTL.

**System action**
This connection request is ignored.

**User response**
If you did not expect DBCTL to be connected to CICS then check the CDBC transient data destination to see when CICS did connect to DBCTL (message DFHDB8101).

**Module:** DFHDBME

**Destination**
TERMCDDBC

**DFHDB8214**  Connection to DBCTL has already been done. Request is ignored.

**Explanation**
The terminal operator has requested that CICS should connect to DBCTL when CICS is already connected to DBCTL.

**System action**
This connection request is ignored.

**User response**
If you did not expect DBCTL to be connected to CICS then check the CDBC transient data destination to see when CICS did connect to DBCTL (message DFHDB8101).

**Module:** DFHDBME

**Destination**
TERMCDDBC

**DFHDB8215**  Orderly disconnection from DBCTL in progress. Request is ignored.

**Explanation**
The terminal operator has either:
- Requested that CICS should disconnect from DBCTL when CICS is already disconnected from DBCTL, or
- Requested that CICS should connect to DBCTL when CICS is still disconnecting from DBCTL.

**System action**
This disconnection request is ignored.

**User response**
Use the PF2 key to refresh the CICS-DBCTL status information on the screen. If the 'DBCTL not connected to CICS' message is not displayed, check the CDBC transient data destination to ensure that no errors have occurred while CICS was connecting to DBCTL. The operator should also check the MVS console as the message DFS0690 may have been issued, and be waiting for a reply.

**Module:** DFHDBME
errors have occurred while CICS was disconnecting from DBCTL.

Module: DFHDBME

Destination TERMCDBC

DFHDB8216 Immediate disconnection from DBCTL in progress. Request is ignored.

Explanation
The terminal operator has either:

- Requested that CICS should disconnect from DBCTL while CICS is already disconnected from DBCTL, or
- Requested that CICS should connect to DBCTL while CICS is still disconnecting from DBCTL.

System action
This disconnection request is ignored.

User response
If you did not expect DBCTL to be disconnected from CICS then check the CDBC transient data destination to see when and why CICS did disconnect from DBCTL (message DFHDB8102). If you do not know where the CDBC destination is, then please check with your system programmer.

Module: DFHDBME

Destination TERMCDBC

DFHDB8218 CDBC - Please specify CONNECT or DISCONNECT.

Explanation
The terminal operator has used CDBC, the DBCTL support menu transaction, from the MVS operator console and has not selected an option.

System action
No action is taken until the operator selects an option.

User response
Select an option by typing in CDBC with a connect or disconnect option.

See the CICS Supplied Transactions for guidance on using CDBC.

Module: DFHDBME

Destination TERMCDBC

DFHDB8219 DBCTL connection phase 1 in progress. Request is ignored.

Explanation
The first phase of connecting CICS to DBCTL has not completed yet, but the terminal operator has requested disconnection from DBCTL.

System action
This disconnection request is ignored.

User response
Try requesting disconnection again if you wish to proceed with disconnecting CICS from DBCTL. If you
still cannot disconnect then check the CDBC transient data destination to see if any messages have been issued which indicate that there are problems with the connection attempt. Also check if any messages have been issued from DBCTL.

**Module:**
DFHDBME

**Destination**
TERMCDBC

**DFHDB8220**  
CICS-DBCTL connection is unusable. Request is ignored.

**Explanation**
A failure has occurred in the CICS-DBCTL interface.

**System action**
Any requests to connect or disconnect from DBCTL is ignored.

**User response**
Look for earlier messages identifying the source of the error by checking the CDBC transient data destination for any messages issued from CICS and also by checking for any messages issued from DBCTL.

**Module:**
DFHDBME

**Destination**
TERMCDBC

**DFHDB8221**  
Non zero return code rc from DFHDBAT. The request is ignored.

**Explanation**
The module DFHDBAT returns a nonzero return code in reply to a request issued to DBCTL. DFHDBAT is a task-related user exit and forms part of the CICS-DBCTL interface.

**System action**
The request to DBCTL fails.

**User response**
See message DFHDB8110 for further guidance.

**Module:**
DFHDBME

**Destination**
TERMCDBC

**DFHDB8222**  
Connection has failed. DBCTL return code is rc, reason code is rs.

**Explanation**
DBCTL rejects a request from CICS to connect to it.

**System action**
The connection does not proceed.

**User response**
See the IMS messages and codes for an explanation of the DBCTL return and reason codes.

**Module:**
DFHDBME

**Destination**
TERMCDBC

**DFHDB8223**  
DRA startup table with suffix xx cannot be found. Request is ignored.

**Explanation**
A connection request has been issued and the startup table with the suffix specified cannot be found.

**System action**
The connection does not proceed.

**User response**
If you were using the DBCTL Support Menu transaction, CDBC, check if you have mistyped the suffix value.

Place the DRA startup table in a CICS STEPLIB library. For guidance on how to do this, see the CICS documentation.

**Module:**
DFHDBME

**Destination**
TERMCDBC

**DFHDB8224**  
Module DFSPRRC0 cannot be found. Connection cannot be done.
Explanation
The DRA router module, DFSPRRC0, could not be found during an attempt to connect to DBCTL.

System action
The connection does not proceed.

User response
Place the module DFSPRRC0 in a CICS STEPLIB library. For guidance on how to do this, see the CICS documentation.

Module:
DFHDBME

Destination
TERMCDBC

DFHDB8225I applid The DBCTL ID is xxxx. The DRA Startup Table suffix is xx.

Explanation
This message is issued from module DFHDBME when CDBC, the DBCTL support menu transaction, is used from the MVS operator’s console. This message is issued from module DFHDBIQ when CDBI, the DBCTL support inquiry transaction, is used from the MVS operator’s console.

System action
Processing continues.

User response
None.

Module:
DFHDBME, DFHDBIQ

Destination
TERMCDBC

DFHDB8226 There was an error starting CDBT. Disconnection from DBCTL failed.

Explanation
An error has occurred, starting the disconnection transaction CDBT.

System action
The disconnection attempt fails.

User response
Look for earlier messages identifying the source of the error on the CDBC or CSMT transient data destinations. Check that the disconnection transaction CDBT is available. Check that the disconnection module DFHDBDSC is available.

Module:
DFHDBME

Destination
TERMCDBC

DFHDB8227 There was an error linking to DFHDBCON. Connection to DBCTL failed.

Explanation
An attempt was made to connect to DBCTL but there was an error when linking to the connection module.

System action
The connection attempt fails.

User response
Look for earlier messages identifying the source of the error on the CDBC or CSMT transient data destinations. Check that module DFHDBCON is available.

Module:
DFHDBME

Destination
TERMCDBC

DFHDB8228 The period (.) and subsequent characters have been removed.

Explanation
A comment was found at the end of the command. The CDBM transaction has removed the comment before sending the IMS command. Comments start with the period character (.) and continue to the end of the command.

System action
The IMS command is sent without the comment.

User response
None.

Module:
Spaces immediately after the CRC (/) have been removed.

Explanation
One or more spaces were found between the command recognition character (CRC) and the IMS verb. The default CRC is the oblique stroke (/). Spaces in this position would normally cause an IMS command to fail.

System action
The CDBM transaction removes the spaces before sending the IMS command.

User response
None. The operator should not add spaces between the CRC and the command.

Module:
DFHDBMP

Initialization CRC (/) was not found.
Reenter the IMS command.

Explanation
The command recognition character (CRC) is expected at the start of the command line. The default CRC is the oblique stroke (/).

System action
The command is not sent.

User response
Reenter the command with the CRC as the initial character.

Module:
DFHDBMP

A second CRC (/) was found.
Reenter the IMS command.

Explanation
The command field can accept only one command. A command must start with the command recognition character (CRC). The default CRC is the oblique stroke (/). A second CRC within the command field is not
allowed and must be removed before the command is sent to IMS.

**System action**  
The command is not sent.

**User response**  
Correct the command field by removing the second command or correcting the command syntax.

**Module:**  
DFHDBMP

**Destination**  
Terminal End User

**Explanation**  
More than one database name contains a wildcard. You can use the asterisk (*) to refer to any number of characters, or the plus sign (+) to refer to a single character. However, in a command you can use wildcard characters in one database name only. Wildcards in more than one database name are not permitted and should be removed.

**System action**  
The command is not sent.

**User response**  
Remove the invalid wildcard. Either change the first wildcard string to include the database names matched by the second wildcard string, or explicitly name the databases. Alternatively issue the command with the first wildcard string, retrieve the command by pressing F9 (Retrieve) and replace the first wildcard string with the second. If there are other database names within the command, you may need to remove them before sending the command.

**Module:**  
DFHDBMP

**Destination**  
Terminal End User

**Explanation**  
You can use a wildcard character in a command only to refer to database names. In this case a wildcard character, an asterisk (*) or plus sign (+), has been wrongly positioned in the command.

**System action**  
The command is not sent.

**User response**  
Correct the command by moving the wildcard to a position where it can refer to a database name or names.

**Module:**  
DFHDBMP

**Destination**  
Terminal End User

**Explanation**  
The command has been rejected by IMS because the verb is not recognized as a valid IMS operator command.

**System action**  
IMS rejects the command.

**User response**  
Correct the command and press Enter.

**Module:**  
DFHDBMP

**Destination**  
Terminal End User

**Explanation**  
This command has been rejected by IMS because it cannot be executed using the AIB interface used by CICS. Certain IMS operator commands such as /MODIFY are not valid with the CDBM transaction and must be issued via the MVS console.
System action
IMS rejects the command.

User response
Enter a valid IMS operator command.

Module:
DFHDBMP

Destination
Terminal End User

DFHDB8238 Command not authorized. Enter a valid IMS command.

Explanation
The command has been rejected by IMS because the application or user does not have the necessary authorization to execute the command as entered.

System action
IMS rejects the command.

User response
Enter a valid IMS operator command.

Module:
DFHDBMP

Destination
Terminal End User

DFHDB8239 aaaa call failed, AIB Return X'babb' Reason X'cccc'

Explanation
The command has been rejected by IMS.

System action
IMS rejects the command.

User response
Enter a valid IMS operator command.

Module:
DFHDBMP

Destination
Terminal End User

DFHDB8240 DBCTL not connected. Run CDBC to connect.

Explanation
CICS was unsuccessful in its attempt to schedule the program specific block (PSB) DFHDBMP before issuing the IMS command.

System action
The command is not sent.

User response
Ensure that the DBCTL system is attached using the CICS supplied transaction CDBC.

Module:
DFHDBMP

Destination
Terminal End User

DFHDB8241 PSB schedule unsuccessful. UIB return codes (X'aaaa')

Explanation
CICS was unsuccessful in its attempt to schedule the program specification block (PSB) DFHDBMP before issuing the IMS command.

System action
The command is not sent.

User response
Ensure that PSB DFHDBMP is available to your system. See the summary of abends and return codes in the CICS documentation for an explanation of the UIB return codes.

Module:
DFHDBMP

Destination
Terminal End User

DFHDB8242 Command in progress. Issue /DISPLAY command for status.
Explanation
The command sent to IMS has not returned a segment but has sent an acknowledgment.

System action
The IMS command is proceeding or has completed.

User response
Issue a /DISPLAY command to determine the status. Press F9 (Retrieve) to retrieve the IMS command and change the command to a /DISPLAY command. Alternatively press F12 (Cancel) and enter a new command to display the status.

Module: DFHDBMP

Destination
Terminal End User

DFHDB8243 No match has been found for wildcard (aaaaaaaaa).

Explanation
CICS was unsuccessful in its attempt to match any IMS databases with the wildcard supplied.

System action
The command is not sent.

User response
Check the names of the databases required and/or the wildcard supplied.

Module: DFHDBMP

Destination
Terminal End User

DFHDB8244 The requested command cannot be found in the command file.

Explanation
The group command entered does not exist in the command file.

System action
No action

Module: DFHDBMP
Destination
Terminal End User

DFHDB8247  Record not found.

Explanation
There was no record in the group command file, DFHDBFK, for the specified group and command.

System action
None.

User response
Browse the group command file to locate the correct record. If this message was issued during a browse request, clear the group and name fields and retry the browse.

Module:
DFHDBMP

Destination
Terminal End User

DFHDB8248  End of file reached during browse. Press enter to wrap.

Explanation
The end of the file was reached during a browse request on the group command file, DFHDBFK.

System action
None.

User response
Press return to browse the group command file from the beginning.

Module:
DFHDBMP

Destination
Terminal End User

DFHDB8249  A record already exists for this command in this group.

Explanation
A record with a matching group and command names already exists in the group command file, DFHDBFK.

System action
A new group command record is not added to the group command file.

User response
Check the command name is correct. If it is, use a different group name.

Module:
DFHDBMP

Destination
Terminal End User

DFHDB8250  A record must be read before updating.

Explanation
Before a record in the group command file, DFHDBFK, can be updated, it must first be read.

System action
The group command record is not updated in the group command file.

User response
Read the record and apply the changes before issuing an update request.

Module:
DFHDBMP

Destination
Terminal End User

DFHDB8251  A record must be read before deletion.

Explanation
Before a record in the group command file, DFHDBFK, can be deleted, it must first be read.

System action
The record is not deleted from the group command file.

User response
Read the record before issuing a delete request.

Module:
DFHDBMP
**Destination**  
Terminal End User  
**DFHDB8252**  
**Group and command must not be altered. Record not updated.**  

**Explanation**  
The group and command fields must not be altered during a group command record update request.

**System action**  
The record is not updated in the group command file, DFHDBFK.

**User response**  
Add a new record with the required group and name fields. Delete the unwanted record.

**Module:**  
DFHDBMP

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**Destination**  
Terminal End User  
**DFHDB8253**  
**Group and command must not be altered. Record not deleted.**  

**Explanation**  
The group and command fields must not be altered during a group command record delete request.

**System action**  
The record is not deleted from the group command file, DFHDBFK.

**User response**  
Read the correct record before issuing a delete request.

**Module:**  
DFHDBMP

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**Destination**  
Terminal End User  
**DFHDB8254**  
**Cannot update during browse. Read record to update.**  

**Explanation**  
Before a record in the group command file, DFHDBFK, can be updated, it must first be read.

**System action**  
A new group command record is not added to the group command file.

**User response**  
Enter data in both the group and command fields and issue the add request.

**Module:**
**Explanation**

The operation indicated has been performed on the group command file, DFHDBFK.

**System action**

The group command file has been successfully modified.

**User response**

None.

**Module:** DFHDBMP

**Destination**

Terminal End User

**DFHDB8257**

*Function invalid. Must be A, B, D, R or U.*

**Explanation**

An action requested was not valid.

**System action**

None.

**User response**

Enter a valid action letter.

**Module:** DFHDBMP

**Destination**

Terminal End User

**DFHDB8258**

*File {write | rewrite | delete | read | browse} failure. EIBRESP=eibresp, EIBRESP2=eibresp2.*

**Explanation**

An unexpected error has occurred during a file operation on the group command file, DFHDBFK.

**System action**

The requested update to the group command file is not made.

**User response**

Determine the reason for the failure using the EIBRESP and EIBRESP2 values. Fix the cause of the error and retry the operation.

**Module:** DFHDBMP

**Destination**

Terminal End User

**DFHDB8259**

*Group command, group command, {added | updated | deleted | read | browsed}.*

**Explanation**

The record read from the group command file, DFHDBFK, was found to contain more data than could be displayed on the screen.

**System action**

The requested update to the group command file is not made.

**User response**

Determine the reason for the failure using the EIBRESP and EIBRESP2 values. Fix the cause of the error and retry the operation.

**Module:** DFHDBMP

**Destination**

Terminal End User

**DFHDB8260**

*Record length exceeds screen size.*

**Explanation**

The data set associated with the group command file, DFHDBFK, has been created with a larger record size than allowed. Recreate the data set with the correct record size, and reload the data.

**User response**

None.

**Module:** DFHDBMP

**Destination**

Terminal End User

**DFHDB8290**

*DBCTL not connected to CICS.*

**Explanation**

This message is issued when CICS is not connected to DBCTL.

If you are using the CDBC transaction, the DBCTL Support Menu transaction, then the message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, the message is issued from module DFHDBIQ.
**System action**
Processing continues.

**User response**
None.

**Module:**
DFHDBME, DFHDBIQ

**Destination**
TERMCDBC

**Explanation**
CICS is in phase 1 of connecting to DBCTL and has not yet moved into phase 2 of connection processing.

If you are using the CDBC transaction, the DBCTL Support Menu transaction, this message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, this message is issued from module DFHDBIQ.

**System action**
Processing continues.

**User response**
Press the PF2 key to refresh the status information on the screen. Check the CDBC transient data message destination for any other messages issued from CICS concerning the CICS-DBCTL interface.

**Module:**
DFHDBME, DFHDBIQ

**Destination**
TERMCDBC

**Explanation**
CICS is connected to DBCTL.

If you are using the CDBC transaction, the DBCTL Support Menu transaction, the message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, the message is issued from module DFHDBIQ.

**System action**
Processing continues.

**User response**
Press the PF3 key to terminate the transaction.

Press the PF2 key to refresh the status information on the screen.

Check the CDBC transient data message destination for any other messages issued from CICS concerning the CICS-DBCTL interface.
Module: DFHDBME, DFHDBIQ

Destination
TERMCDBC

DFHDB8294I DBCTL orderly disconnect in progress.

Explanation
CICS is disconnecting from DBCTL in an orderly manner. (That is, all tasks using DBCTL from this CICS system will run to termination before CICS is disconnected from DBCTL.)

If you are using the CDBC transaction, the DBCTL Support Menu transaction, the message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, the message is issued from module DFHDBIQ.

System action
Processing continues.

User response
Press the PF3 key to terminate the transaction.
Press the PF2 key to refresh the status information on the screen.
Check the CDBC transient data message destination for any other messages issued from CICS concerning the CICS-DBCTL interface.

Module: DFHDBME, DFHDBIQ

Destination
TERMCDBC

DFHDB8295I DBCTL immediate disconnect in progress.

Explanation
CICS is disconnecting from DBCTL immediately. (That is, all DL/I requests issued from this CICS system and currently being processed by DBCTL will complete before CICS is disconnected from DBCTL.)

If you are using the CDBC transaction, the DBCTL Support Menu transaction, the message is issued from module DFHDBME.

If there is an IMS console message DFS0690 waiting for an operator reply, this message continues to be displayed until the operator replies to the IMS console message.

System action
Processing continues.

User response
Press the PF3 key to terminate the transaction.
Press the PF2 key to refresh the status information on the screen.
Check the CDBC transient data message destination for any other messages issued from CICS concerning the CICS-DBCTL interface.

Module: DFHDBME, DFHDBIQ

Destination
TERMCDBC

DFHDB8296I DBCTL cannot be connected to CICS.

Explanation
A failure has occurred in the CICS-DBCTL interface.

If you are using the CDBC transaction, the DBCTL Support Menu transaction, the message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, the message is issued from module DFHDBIQ.

System action
Processing continues.

User response
Look for earlier messages identifying the source of the error by checking the CDBC transient data destination and checking any messages issued from DBCTL.

Module: DFHDBME, DFHDBIQ

Destination
TERMCDBC
**Explanation**

This message only occurs when there is no recoverable service table (RST). CICS has attempted to connect to DBCTL but has failed on one or more occasions. DBCTL may not be running, or it may be restarting after a DBCTL abend.

**System action**

CICS continues to attempt to connect every 5 seconds. This message is reissued every minute for ten minutes or until connection is made.

If the connection is not made in ten minutes, CICS will stop attempting to connect and IMS message DFS0690 is issued. If the user replies WAIT to the IMS DFS0690 message, then the IMS DRA will take over responsibility for retrying the connection attempt. The TIMER parameter in the DRA startup table specifies how often the DRA will retry the connect to DBCTL.

**User response**

Check why DBCTL is not running. You can cancel the connection attempts using the CDBC transaction by issuing a disconnect request.

**Module:**

DFHDXAX

**Destination**

Console

**Explanation**

An attempt has been made to connect to DBCTL via PLT phase 1. The request has been rejected.

**Explanation**

The attempt to connect to DBCTL has been unsuccessful.

You are using a startup PLT and the request for DFHDBCON has been issued in PLT phase 1 processing. It can only be issued from PLT phase 2.

**System action**

Processing continues.

**User response**

Look at the source for your startup PLT. Ensure the DBCTL startup program (DFHDBCON) is after the statement specifying DFHDELM.
for the failure. Correct the PACKAGESET XML, discard the BUNDLE, and reinstall it.

Module:
DFHD2RL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. bundlename
5. packageset
6. Value chosen from the following options:
   1=its name contains invalid characters.,
   2=the PACKAGESET XML data could not be parsed.,
   3=its not defined in a platform or application bundle.,
   4=the PACKAGESET XML encoding is invalid.

Destination
CDB2

DFHDB8301  date time applid Packageset name was not specified or is too long in BUNDLE bundlename.

Explanation
The CICS BUNDLE bundlename has failed to install a PACKAGESET because the resource name was not specified or is more than 128 characters in length.

System action
The BUNDLE resource is disabled and the PACKAGESET is not created.

User response
Correct the name of the PACKAGESET resource in the bundle manifest file. Discard and reinstall the BUNDLE resource.

Module:
DFHD2RL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. bundlename

Destination
CDB2

DFHDB8302  applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, OC1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHD2RL

XMEOUT parameters/Message inserts
1. applid
2. aaa/bbbb
3. X'offset'
4. modname

Destination
Console

DFHDB8303 date time applid BUNDLE bundlename has successfully installed the PACKAGESET packageset on platform platformname as {enabled | disabled}.

Explanation
The CICS BUNDLE bundlename has successfully installed the PACKAGESET packageset on platform platformname as either enabled or disabled.

System action
CICS continues normally.

User response
None.

Module: DFHD2RL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. bundlename
5. packageset
6. platformname
7. Value chosen from the following options:
   1=enabled,
   2=disabled

Destination
CDB2

DFHDB8304 date time applid BUNDLE bundlename has successfully installed the PACKAGESET packageset for application applicationname, version majorversion.minorversion.microversion, on platform platformname as {enabled | disabled}.

Explanation
The CICS BUNDLE bundlename has successfully installed the PACKAGESET packageset for application applicationname, version majorversion.minorversion.microversion on platform platformname as either enabled or disabled.

System action
CICS continues normally.

User response
None.

Module: DFHD2RL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. bundlename
5. packageset
6. applicationname
7. majorversion
8. minorversion
9. microversion
10. platformname
11. Value chosen from the following options:
    1=enabled,
    2=disabled

Destination
CDB2

DFHDB8305 date time applid PACKAGESET packageset on platform
platformname has been {enabled | disabled}.

Explanation
The PACKAGESET packageset on platform platformname has been enabled or disable.

System action
CICS continues normally.

User response
None.

Module:
DFHD2RL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. packageset
5. applicationname
6. majorversion
7. minorversion
8. microversion
9. platformname
10. Value chosen from the following options:
    1=enabled,
    2=disabled

Destination
CDB2

DFHDB8306 date time applid PACKAGESET packageset for application applicationname, version majorversion.minorversion.microversion, on platform platformname has been enabled or disabled.

Explanation
The PACKAGESET packageset of application applicationname, version majorversion.minorversion.microversion on platform platformname has been enabled or disabled.

System action
CICS continues normally.

User response
None.

Module:
DFHD2RL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. packageset
5. platformname

Destination
CDB2

DFHDB8307 date time applid PACKAGESET packageset on platform platformname has been discarded.

Explanation
The PACKAGESET packageset on platform platformname has been discarded.

System action
CICS continues normally.

User response
None.

Module:
DFHD2RL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. packageset
5. platformname
DFHDB8308  

```plaintext
date time applid PACKAGESET packageset for application applicationname, version majorversion.minorversion.microversion, on platform platformname has been discarded.
```

**Explanation**

The PACKAGESET packageset of application applicationname, version majorversion.minorversion.microversion on platform platformname has been discarded.

**System action**

CICS continues normally.

**User response**

None.

**Module:** DFHD2RL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. bundleset
5. applicationname
6. majorversion
7. minorversion
8. microversion
9. platformname

**Destination**

CDB2

---

DFHDB8310  

```plaintext
date time applid BUNDLE bundlename has failed to install the PACKAGESET packageset1 because a PACKAGESET packageset2 is already installed for application applicationname, version majorversion.minorversion.microversion, on platform platformname.
```

**Explanation**

The CICS BUNDLE bundlename has failed to install the PACKAGESET packageset1 because another PACKAGESET packageset2 is already installed for application applicationname, version majorversion.minorversion.microversion on platform. Only one PACKAGESET can be installed as part of an application.

**System action**

The BUNDLE resource is disabled and the PACKAGESET is not created.

**User response**

Identify and remove the duplicate PACKAGESET, discard and re-install the application.

**Module:** DFHD2RL

---

DFHDB8309  

```plaintext
date time applid BUNDLE bundlename has failed to install the PACKAGESET packageset1 because a PACKAGESET packageset2 is already installed on platform platformname.
```

**Explanation**

The CICS BUNDLE bundlename has failed to install the PACKAGESET packageset1 because another PACKAGESET packageset2 is already installed on platform platformname. Only one PACKAGESET can be installed on a platform.

**System action**

The BUNDLE resource is disabled and the PACKAGESET is not created.

**User response**

Identify and remove the duplicate PACKAGESET, discard and re-install the application.

**Module:**
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. bundlename
5. packageset1
6. packageset2
7. applicationname
8. majorversion
9. minorversion
10. microversion
11. platformname

Destination
CDB2

DFHDB8311  date time applid BUNDLE bundlename has failed to install the PACKAGESET packageset because its schema level is not supported | pkgsetSchemaVersion is invalid | pkgsetSchemaRelease is invalid): error_data.

Explanation
The CICS BUNDLE bundlename has failed to install the PACKAGESET packageset. Possible reasons include:

schema level is not supported
The pkgsetSchemaVersion and pkgsetSchemaRelease of PACKAGESET packageset are higher than the schema level supported by this release of CICS.

pkgsetSchemaVersion is invalid
The specified 1-2 character string must consist of numeric characters only, i.e. 0-9, and be a value in the range 0-99.

pkgsetSchemaRelease is invalid
The specified 1-2 character string must consist of numeric characters only, i.e. 0-9, and be a value in the range 0-99.

System action
The BUNDLE resource is disabled and the PACKAGESET is not created.

User response
The probable cause is an error or inconsistency in the PACKAGESET XML. Check for any previous messages which may give you more information about the reason for the failure. Correct the PACKAGESET XML, discard the BUNDLE, and reinstall it.

Module:
DFHD2RL

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. bundlename
5. packageset
6. Value chosen from the following options:
  1=its schema level is not supported,
  2=pkgsetSchemaVersion is invalid,
  3=pkgsetSchemaRelease is invalid
7. error_data

Destination
CDB2

DFHDDnnnn messages

DFHDD0001  applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation
An unexpected program check or abend occurred with abend code aaa/bbbb.

The program status word (PSW) at the time of the program check or abend indicated that CICS was executing at offset X'offset' in module modname. This may have been caused by corruption of CICS code or control blocks.
System action
A system dump is taken and the system attempts to continue operation unless otherwise directed by entries in the dump table.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Investigate the cause of the program check or abend using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.
If you cannot resolve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDDAP, DFHDDDM, DFHDDDI, DFHDDLO, DFHDBR

XMEOUT parameters/Message inserts
1. applid
2. aaa/bbbb
3. X'offset'
4. modname

Destination
Console
DFHDD0002 applid A severe error (code X'code') has occurred in module modname.

Explanation
Directory Domain has received an unexpected error response from some other part of CICS. The operation requested by Directory Domain is described by code X'code'.
For further information about CICS exception trace entries, refer to the Troubleshooting and support.

System action
A system dump is taken and the system attempts to continue operation unless specifically inhibited by dump table entries.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Investigate the cause of the problem as follows:
1. Determine if the problem can be explained by any previous messages output from some other part of CICS.
2. Examine the symptom string.
3. Examine the dump.
If you cannot resolve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDDAP, DFHDDDM, DFHDDDI, DFHDDLO, DFHDBR

XMEOUT parameters/Message inserts
1. applid
2. X'code'
3. modname

Destination
Console
DFHDD0004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation
A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.
CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.
Since some CICS functions can use a lot of processor time, this message may have been caused by a long-
running function. So there may not be an error here. Usually, CICS purges a CICS function that exceeds the runaway task time interval that you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. However you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHDDAP

XMEOUT parameters/Message inserts
1. applid
2. X'offset'
3. modname

Destination
Console

DFHDD0006 applid Insufficient storage to satisfy Getmain (code X'code') in module modname. MVS code mvscode.

Explanation
An MVS GETMAIN was issued by module modname, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

The code mvscode is the MVS GETMAIN return code.

System action
An exception entry is made in the trace table (code X'code'). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which corrects itself if more storage becomes available. If you can manage without module modname, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual.

Try decreasing the size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. See the Configuring or Improving performance for further information on CICS storage.

Module: DFHDDAP

XMEOUT parameters/Message inserts
1. applid
2. X'code'
3. modname
4. mvscode

Destination
Console
DFHDHnnnn messages

**Explanation**

An abnormal end (abend) or program check has occurred in module `modname`. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code `aaa/bbbb` is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS. Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module `modname` is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem. If you cannot run without the full use of module `modname` you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHDHDDH, DFHDHDM, DFHDHSL

**XMEOUT parameters/Message inserts**

1. `applid`
2. `aaa/bbbb`
3. `X'offset'`
4. `modname`

**Destination**

Console

DFHDH0002 `applid` A severe error (code `X'code'`) has occurred in module `modname`.

**Explanation**

An error has been detected in module `modname`. The code `X'code'` is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

**System action**

An exception entry (code `X'code'` in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module `modname` is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.
If the message recurs or if you cannot run without the full use of module \textit{modname}, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

\textbf{Module:}  
DFHDHDH, DFHDHDM, DFHDHSL

\textbf{XMEOUT parameters/Message inserts}  
1. \textit{applid}  
2. \texttt{X'code'}  
3. \textit{modname}

\textbf{Destination}  
Console

\textbf{DFHDH0004} \hspace{1cm} \textit{applid} A possible loop has been detected at offset \texttt{X'offset'} in module \textit{modname}.

\textbf{Explanation}  
A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module \textit{modname} at offset \texttt{X'offset'}. This is the offset of the instruction which was executing at the time the error was detected.

\textbf{System action}  
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

\textbf{User response}  
Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function, so there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the ICVR system initialization parameter, which is measured in milliseconds. This means that module \textit{modname} in the message is terminated and CICS continues.

But if you have specified ICVR=0 you consider that module \textit{modname} is looping, you must terminate CICS in order to terminate the runaway function.

If CICS has terminated module \textit{modname}, and you consider that it was not a runaway, you should increase the ICVR system initialization parameter. You can change the RUNAWAY time interval temporarily using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

\textbf{Module:}  
DFHDMTM

\textbf{XMEOUT parameters/Message inserts}  
1. \textit{applid}  
2. \texttt{X'offset'}  
3. \textit{modname}

\textbf{Destination}  
Console

\textbf{DFHDH0100I} \hspace{1cm} \textit{applid} Document domain initialization has started.

\textbf{Explanation}  
This is an informational message indicating that document domain initialization has started.

\textbf{System action}  
System initialization continues.

\textbf{User response}  
None. The message can be suppressed with the system initialization parameter MSGLVL=0.

\textbf{Module:}  
DFHDHDM

\textbf{XMEOUT parameters/Message inserts}  
1. \textit{applid}
**Explanation**

This is an informational message indicating that document domain initialization has completed successfully.

**System action**

System initialization continues.

**User response**

None. The message can be suppressed with the system initialization parameter MSGLEVEL=0.

**Module:**
DFHDHDM

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

**Explanation**

The document template definition doctemplate has been successfully added to the Document Handler domain. The template definition maps on to one of the following resources named resourcename:

- **PDS-MEMBER**
  A member of a partitioned dataset
- **FILE**
  A CICS file
- **PROGRAM**
  A CICS program
- **TSQUEUE**
  A CICS Temporary Storage queue
- **TDQUEUE**
  A CICS Transient Data queue
- **EXITPGM**
  A User-replaceable program that reads in a template of its own specification
- **HFSFILE**
  A file in the z/OS UNIX System Services File System (zFS).

The document template is assigned a template name of templatename.

**System action**

The definition is written to the CICS global catalog and will be restored on a CICS warm start.

**User response**

Application programs can now use the template using the name templatename.

**Module:**
DFHDHTM

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. doctemplate
5. Value chosen from the following options:
   1=PDS-MEMBER,
   2=FILE,
   3=PROGRAM,
   4=TSQUEUE,
   5=TDQUEUE,
   6=EXITPGM,
   7=HFSFILE
6. resourcename
7. templatename

**Destination**

CSDH
Explanation
The document template definition `doctemplate` has been successfully deleted from the Document Handler domain.

System action
The definition is removed from the CICS global catalog and will not be restored on a CICS warm start.

User response
Application programs can no longer use the template using the name `templatename`.

Module:
DFHDHTM

XMEOUT parameters/Message inserts
1. `date`
2. `time`
3. `applid`
4. `ddname`
5. `doctemplate`

Destination
CSDH

DFHDH0107I `date time applid Member ddname not found. DOCTEMPLATE doctemplate is not installed.`

Explanation
A document template definition specified a DDNAME value `ddname`, but a DD statement with that name was not present in the CICS JCL. The corresponding template data set cannot be opened.

System action
The document template `doctemplate` is not installed.

User response
Either restart CICS with a suitable template library allocated to DD name `ddname`, or use the ADYN transaction to allocate the library dynamically. The ADYN transaction is described in the Developing system programs for CICS.

Module:
DFHDHRP

XMEOUT parameters/Message inserts
1. `date`
2. `time`
3. `applid`
4. `member`
5. `dsname`
6. `doctemplate`

Destination
Console

DFHDH0300 `applid File filename could not be opened (rrrr). Response X'xxxx', Reason X'yyyy'`. 

Explanation
The file `filename`, in the UNIX System Services file system, could not be opened. `rrrr` is the mnemonic for the hexadecimal USS response code `xxxx` and USS reason code `yyyy`.

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The file might not exist, or the CICS system might not be authorized to access it.

The response codes xxxx and yyyy are those returned by the UNIX System Services inquire function (BPX1STA), and are described in z/OS UNIX System Services Messages and Codes (SA22-7807).

System action
CICS returns an error response to the service that requested the file to be opened. This might result in a further error in the requesting service.

User response
If the file does not exist, change the filename to that of a file that does exist.

If CICS is not authorized to access the file, choose a different filename, or seek permission from the file owner to access it.

DFHDMnmmm messages

| DFHDM0001 | applid An abend (code aaaa/bbbb) has occurred at offset X'offset' in module modname. |

Explanation
An abnormal end (abend) or program check has occurred in the module modname. This implies that there may be an error in CICS code.

Alternatively,
• Unexpected data has been input, or
• Storage has been overwritten.

The code aaaa/bbbb is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, O1C or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either CICS will continue unless you have specified in the dump table that CICS should terminate. This action will be taken by DFHDMIQ.

Or this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. This action is taken by DFHDMDM, DFHDMDS and DFHDMWQ.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Then look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, a runaway or something else and may give you some guidance concerning user response.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDMDM, DFHDMEN, DFHDMENF, DFHDMIQ, DFHDMDS, DFHDMWQ

XMEOOUT parameters/Message inserts
1. applid
2. aaaa/bbbb
3. X'offset'
4. modname
Destination

Console

DFHDM0002  applid A severe error (code X'code') has occurred in module modname.

Explanation

An error has been detected in module modname. The code code is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

For further information about CICS exception trace entries, refer to the Troubleshooting and support.

System action

An exception entry (code code in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either CICS will continue unless you have specified in the dump table that CICS should terminate. This action will be taken by DFHDMIQ.

Or, this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. This action is taken by DFHDMDM and DFHDMWQ.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

This indicates a possible error in the CICS code. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:

DFHDMDM, DFHDME, DFHDMEF, DFHDMIQ, DFHDMS, DFHDMWQ

XMEOUT parameters/Message inserts

1. applid
2. X'code'
3. modname

Destination

Console

DFHDM0003  applid Insufficient storage to satisfy GETMAIN (code X'code') in module modname.

Explanation

A CICS GETMAIN was issued by module modname, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point id which uniquely identifies the place where the error was detected.

This error has occurred above the 16Mb line.

System action

An exception entry is made in the trace table (code code in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either CICS continues unless you have specified in the dump table that CICS should terminate. This action is taken by DFHDMIQ.

Or this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. This action is taken by DFHDMDM and DFHDMWQ.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Try increasing the size limits of the DSAs or EDSAs. See the Configuring or the Improving performance for further information on CICS storage.

Module:

DFHDMDM, DFHDMIQ, DFHDMWQ

XMEOUT parameters/Message inserts

1. applid
2. X'code'
3. modname

Destination

Console

DFHDM0004  applid A possible loop has been detected at offset X'offset' in module modname.

Explanation

A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at X'offset'. This is the offset of the instruction which was executing at the time the error was detected.
System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either CICS continues unless you have specified in the dump table that CICS should terminate. This action is taken by DFHDMIQ.

Or this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. This action is taken by DFHDMDM, DFHDMDS and DFHDMWQ.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the module modname is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM to resolve the problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDMDM, DFHDMEN, DFHDMENF, DFHDMIQ, DFHDMDS, DFHDMWQ

XMEOUT parameters/Message inserts
1. applid
2. X'offset'
3. modname

Destination
Console
DFHDM0005 applid A hardware error has occurred (module modname, code X'code'). The Time-of-Day clock is invalid.

Explanation
A hardware error has occurred during the running of module modname. The MVS Store Clock facility is the timing mechanism for the operating system.

The code code is the exception trace point id which uniquely identifies the place where the error was detected.

System action
An exception entry (code code in the message) is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
This is in all probability a hardware error and you should in the first instance investigate the MVS Store Clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you need further assistance from IBM to resolve the problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDMDM, DFHDMWQ, DFHDMDS

XMEOUT parameters/Message inserts
1. applid
2. modname
3. X'code'

Destination
Console
DFHDM0101I applid CICS is initializing.
**Explanation**
This message is for information only.

CICS initialization has started. The domain (DM) manager is about to attach an initialization task for each domain defined in the local CICS catalog, DFHLCD.

**System action**
Processing continues.

**User response**
None. You can suppress this message with the system initialization parameter, MSGVLVL=0.

**Module:**
DFHDMDM

**XMEOUT parameters/Message inserts**
1. applid

**Destination**
Console

DFHDM0103 applid Unsuccessful quiesce of domain domain. CICS will terminate.

**Explanation**
A domain has failed to quiesce.

**System action**
CICS terminates. An exception trace and a dump are issued by the domain in error.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHDMDMS

**XMEOUT parameters/Message inserts**
1. applid
2. domain

**Destination**
Console

DFHDM0104 applid Unsuccessful load of program domain. CICS will terminate.

**Explanation**
The domain (DM) manager has called the loader to load a program for an initialization task but the load has failed. The module is missing from the DFHRPL concatenation, possibly because the SDFLOOD is missing. Alternatively, if the module name given in the message is not a legitimate CICS module, the CICS catalog could be corrupted.

**System action**
CICS terminates. A system dump with dump code DM0006 is taken unless you have suppressed dumps in the dump table.

An exception trace is issued by the domain manager. Message DFHME0116, which contains the symptom string for this problem, is produced.
User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDMDM

**XMEOUT parameters/Message inserts**
1. applid
2. domain

**Destination**
Console

**DFHDM0105 applid** Unsuccessful initialization of domain domain. CICS will terminate.

**Explanation**
A domain has failed to initialize.

**System action**
CICS terminates with a dump.

Diagnostics are issued by the domain in error. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Review the diagnostics and take remedial action for any installation-related problems. See Working with IBM to solve your problem for guidance on how to proceed.

Module: 
DFHDMDM

**DFHDPnnnn messages**

**DFHDP0001 applid** An abend (code aaa/bbbb) has occurred at offset X[offset] in module modname.

**Explanation**
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The
CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHDP1310).

**System action**
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If you cannot continue without the full use of module *modname* you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHDP*

**XMEOUT parameters/Message inserts**
1. *applid*
2. *aaa/bbbb*
3. *X’offset’*
4. *modname*

**Destination**
Console

---

DFHDP0002  
*applid* A severe error (code X’*code’*) has occurred in module *modname*.

**Explanation**
An error has been detected in module *modname*. The code X’*code’* is the exception trace point id which uniquely identifies what the error is and where the error was detected.

**System action**
An exception entry (code X’*code’* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHDPFM, DFHDPLM, DFHDPUM.

**XMEOUT parameters/Message inserts**
1. *applid*
2. *X’code’*
3. *modname*

**Destination**
Console
**Explanation**

A call to CICS file control from a DP domain module has received an unexpected exception response from DFHFCFR. The reason code given in the message is the reason from the FCFR parameter list on return from file control.

The debugging profiles file, `filename`, is not usable.

**System action**

The file given in the message is not usable.

The application debugging profiles manager will fail until the problem has been corrected. It the CICS supplied transaction, CADP, is being used to define debugging profiles it will fail with an ADPA abend.

The meaning of the reason code in the message is given below:

- **X'08' (FCFR_CACHE_FAILURE)**
  
  There has been an input/output(IO) error trying to access the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP. Examine the console to find file control or VSAM messages that will indicate the reason for the error.

- **X'15' (FCFR_DATASET_BEING_COPIED)**
  
  The data set for the debugging profiles file, DFHDPFMB, is currently unavailable because it is being copied. Retry when it becomes available.

- **X'1F' (FCFR_FILE_DISABLED)**
  
  The file definition for the debugging profiles base data set, DFHDPFMB, or path data set, DFHDPFMP, is disabled. Enable the disabled file and retry.

- **X'20' (FCFR_FILE_NOT_OPEN)**
  
  The file definition for the debugging profiles base data set, DFHDPFMB, or path data set, DFHDPFMP, cannot be opened. Examine the console to find file control or VSAM messages that will indicate the reason for the error. Note that Debug Profile support is deactivated following a file not open response.

- **X'22' (FCFR_FILENOTFOUND)**
  
  A definition for the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP, could not be found. Sample definitions for these files are available and should be defined and installed before retrying.

- **X'27' (FCFR_INSUFFICIENT_SPACE)**
  
  The debugging profiles base file, DFHDPFMB, is full. Investigate whether there are debugging profiles that can be deleted. Or, increase the storage allocation for the underlying VSAM data set, and recreate. Existing profiles could be backed up on another data set and then copied to the newly defined debugging profiles data set as part of the JCL to recreate it. To achieve this, replace `REPRO INFILE` with `REPRO INDATASET` in the JCL and replace SYS01 with the name of the data set containing the backed up profiles.

- **X'2B' (FCFR_IO_ERROR)**

  There has been an IO error trying to access the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP. Examine the console to find file control or VSAM messages that will indicate the reason for the error.

- **X'2D' (FCFR_ISC_NOT_SUPPORTED)**

  An attempt has been made to ship a file control request but ISC=NO for the system. Determine if ISC should be YES or if the file definition should be changed so that shipping is not required and retry.

- **X'31' (FCFR_LOCKED)**

  An attempt has been made to write a record to the debugging profiles base file, DFHDPFMB, but a retained lock exists against the key of the record being written.

- **X'32' (FCFR_LOST_LOCKS)**

  There has been an IO error trying to access the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP. Examine the console to find file control or VSAM messages that will indicate the reason for the error.

- **X'33' (FCFR_LOCK_STRUCTURE_FULL)**

  There has been an IO error trying to access the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP. Examine the console to find file control or VSAM messages that will indicate the reason for the error.

- **X'37' (FCFR_NOTAUTH)**

  The user is not authorized to use the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP. If the user should have access to the files, allow access and retry.

- **X'39' (FCFR_PREVIOUS_RLS_FAILURE)**

  The debugging profiles file, DFHDPFMB, has been defined as record level sharing(RLS) but RLS is currently unavailable due to a failure. Investigate the reason for the RLS failure by looking for messages from file control and VSAM on the console. Retry when RLS is available.
• X'3B' (FCFR_READ_NOT_AUTHORISED)
The external security manager would not allow the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP, to be accessed. If the user should have access to the files, allow access and retry.

• X'3D' (FCFR_RECLEN_EXCEEDS_LOGGER_BFSZ)
A journal referenced in the definition for the debugging profiles file, DFHDPFMB, is using an MVS which in turn, is using a coupling facility structure that has been defined with a MAXBUFSIZE parameter less than the recommended 64000. Redefine the coupling facility structure that the logstream is using with a MAXBUFSIZE parameter of 64000. The journal in error can be the forward recovery log or the journal used for auto-archiving.

• X'46' (FCFR_RLS_DISABLED)
The debugging profiles file, DFHDPFMB, has been defined as record level sharing(RLS) but RLS is currently disabled. Investigate why RLS is disabled by examining the console for file control and VSAM messages. Retry when RLS is available.

• X'47' (FCFR_RLS_FAILURE)
The debugging profiles file has been defined as record level sharing(RLS) but RLS is currently unavailable due to a failure. Investigate the reason for the failure by examining the console for file control and VSAM messages. Retry when RLS is available.

• X'4B' (FCFR_SERVREQ_VIOLATION)
The definition for the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP, does not allow all types of file request to be issued. Alter the file definitions to allow all file requests and retry.

• X'4E' (FCFR_SUPPRESSED)
A user exit has suppressed the writing of records to the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP. The exit should not be allowed to suppress records being written to these files. Correct the exit and retry.

• X'4F' (FCFR_SYSIDERR)
The SYSID for the file definition for the debugging profile base file, DFHDPFMB, or path file, DFHDPFMP, specifies a name that is neither the local CICS region nor a remote system defined to CICS by a CONNECTION definition. SYSIDERR can also occur if the link to the remote system is closed. Correct the SYSID or reopen the link and retry.

• X'52' (FCFR_TIMEOUT) A request to file control has timed out. Investigate the reason for the timeout by examining the console for messages.

• X'58' (FCFR_UPDATE_NOT_AUTHORISED)
The external security manager would not allow the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP, to be accessed. If the user should have access to the files, allow access and retry.

• X'59' (FCFR_VSAM_REQUEST_ERROR)
There has been an IO error trying to access the debugging profiles base file, DFHDPFMB, or path file, DFHDPFMP. Examine the console to find file control or VSAM messages that will indicate the reason for the error.

• X'61' (FCFR_RREPL_VIOLATION)
The file is flagged as RREPL and the program is not a REPLICATOR. If the program should be allowed to modify the file then change the file or program attributes.

User response
Investigate and correct the error based on the reason given and retry. In the case of an X'20' (FCFR_FILE_NOT_OPEN) reason code, once the underlying data set problem has been resolved, CICS Debug Profile support can be reactivated.

Module:
DFHDPFM, DFHDPLM, DFHDPUM.

XMEOUT parameters/Message inserts
1. applid
2. X'code'
3. modname
4. filename

Destination
Console

DFHDP0200 APPLID Debug Tool is back level. Compiled Debugging profiles may be defined but not used on this system.

Explanation
CICS is running with a level of Debug Tool which is older than Version 3.1.

System action
The CADP transaction and the web interface can be used to define debugging profiles and they can be activated. However, Debug Tool will not be able to use these profiles.
If you do not intend to perform compiled debugging on this system or you only want to use CADP and the web interface to define profiles for use on another CICS region which does have Debug Tool at least at the version 3.1 level, then no action is required. If the intention is to use compiled debugging profiles on this CICS, then Debug Tool version 3.1 or later must be installed.

**Module:** DFHDPLU

**XMEOUT parameters/Message inserts**

1. **Applid**

**Destination**

Console

**DFHDP0300 applid num debugging profile(s) have been inactivated.**

**Explanation**

The transaction CIDP or the program DFHDPIN has been run to inactivate all currently active debugging profiles. **Num** debugging profiles have been inactivated.

**System action**

None.

**User response**

None.

**Module:** DFHDPIN.

**DFHDSnnnn messages**

**DFHDS0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.**

**Explanation**

An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

If CICS is still running, it is necessary to decide whether to terminate CICS.

1. Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.
2. Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.
3. If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.
4. If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDSAT, DFHDSBR, DFHDSDM, DFHDSDS2, DFHDSDS3, DFHDSDS4, DFHDSIT, DFHDSKE, DFHDSSM, DFHDSSR, DFHDSSST, DFHDSTCB, DFHDSSUE

XMEOUT parameters/Message inserts

1. applid
2. aaa/bbbb
3. X'offset'
4. modname

Destination
Console

DFHDS0002 applid A severe error (code X'code') has occurred in module modname.

Explanation

An error has been detected in module modname. The code X'code' is the exception trace point id which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, see the Troubleshooting and support.

System action

An exception entry (code code in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Or this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

The system action taken depends on the context.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDSAT, DFHDSBR, DFHDSDM, DFHDSDS2, DFHDSDS3, DFHDSDS4, DFHDSIT, DFHDSKE, DFHDSSM, DFHDSSR, DFHDSSST, DFHDSTCB, DFHDSSUE

XMEOUT parameters/Message inserts

1. applid
2. X'code'
3. modname

Destination
Console
DFHDS0003  
**applid** Insufficient storage (code `X'code'`) in module `modname`.

**Explanation**

A CICS GETMAIN was issued by module `modname` but there was insufficient storage available to satisfy the request.

The code `X'code'` is the exception trace point id which uniquely identifies the place where the error was detected. This error has occurred above the 16M line.

**System action**

An exception entry is made in the trace table (code `code` in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module `modname`, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try increasing the overall size limits of the DSAs or EDSAs. If CICS is not already terminated, you will need to bring CICS down to do this. See the Configuring or Improving performance for more information on CICS storage.

You may need further assistance from IBM to fully resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHDSBR

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**DFHDS0004**  
**applid** A possible loop has been detected at offset `X'offset'` in module `modname`.

**Explanation**

A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module `modname` at offset `X'offset'`. This is the offset of the instruction which was executing at the time the error was detected.

**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Inform the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module `module` will be terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you consider that module `modname` has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module `modname`, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.
If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHDSAT, DFHDSBR, DFHDSDM, DFHDSDS2, DFHDSDS3, DFHDSDS4, DFHDSIT, DFHDSKE, DFHDSMM, DFHDSSS, DFHDSST, DFHDSSTC, DFHDSUE

**XMEOUT parameters/Message inserts**
1. `applid`
2. `X'offset'
3. `modname`

**Destination**
Console

**DFHDS0005**

`applid` A hardware error has occurred (code `X'code'`, module `modname`). The Time-of-Day clock is invalid.

**Explanation**
A hardware error has occurred during the running of module `module`. The MVS Store Clock facility is the timing mechanism for the operating system.
The code `X'code'` is the exception trace point ID which uniquely identifies the place where the error was detected.

**System action**
An exception entry (code `code` in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Inform the system programmer. This is in all probability a hardware error and you should in the first instance investigate the MVS Store Clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will need further assistance from IBM.

See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHDSTCB

**XMEOUT parameters/Message inserts**
1. `applid`
2. `X'code'`
3. `modname`

**Destination**
Console

**DFHDS0006**

`applid` Insufficient storage to satisfy GETMAIN (code `X'code'`) in module `modname`. MVS code `mvscode`.

**Explanation**
An MVS GETMAIN was issued by module `modname` but there was insufficient storage available to satisfy the request.
The code `code` is the exception trace point ID which uniquely identifies the place where the error was detected.
This error may occur either above or below the 16M line. This depends on context.
The code `mvscode` is the MVS GETMAIN return code.

**System action**
An exception entry is made in the trace table (code `code` in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.
Either CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Or this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.
The system action depends on the context.
Message DFHME0116, which contains the symptom string for this problem, is produced.
**User response**

Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module `modname`, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the overall size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you will need to bring CICS down to do this. See the Configuring or the Improving performance for more information on CICS storage.

You may need further assistance from IBM to fully resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHDSAT, DFHDSDM, DFHDSDS2, DFHDSSR

**XMEOUT parameters/Message inserts**

1. `applid`
2. `X'code'
3. `modname`
4. `mvscode`

**Destination**

Console

DFHDS0007

`applid Module module has detected a {suspend resume area overflow / architecture limit} (code X'code'). CICS will be terminated. / .}`

**Explanation**

A dispatcher architecture limit has been detected. This could be one of the following limits.

- Suspend resume area overflow
- Architecture limit

The code `code` is the exception trace point ID which uniquely identifies the place where the error was detected.

**System action**

An exception entry is made in the trace table (code `code` in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

**Either** If the message does not state that CICS will be terminated then CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

**Or** This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. The message will state that CICS will be terminated.

The system action depends on the context.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Inform the system programmer. The exception trace may help you identify the architecture limit that has been detected. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem might be a temporary one that you can resolve by retrying the operation.

You may need further assistance from IBM to fully resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHDSAT, DFHDSDM, DFHDSDS2, DFHDSSR

**XMEOUT parameters/Message inserts**

1. `applid`
2. `module`
3. Value chosen from the following options:
   - `1=suspend resume area overflow`,
   - `2=architecture limit`
4. 'code'
5. Value chosen from the following options:
   1= CICS will be terminated,
   2=.

**Destination**
Console

**Explanations**
DFHDS0010 *applid* Kill request accepted for transaction id *transid*, transaction number *tranum*, userid *userid.*

**Explanation**
A request to kill a CICS task has been accepted.

**System action**
The CICS task has been marked to be killed. The kill will be actioned as soon as possible. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Check for subsequent messages or abend codes to determine the state of the task when the kill was actioned and the possible repercussions of the kill.

**Note:**
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:**
DFHDSAT

**XMEOUT parameters/Message inserts**
1. *applid*
2. *transid*
3. *tranum*
4. *userid*

**Destination**
Console

**Explanations**
DFHDS0101 *applid* Dispatcher cannot enable the CICS post exit.

**Explanation**
The dispatcher has been unable to gain authorization to enable the CICS post exit. This is probably because the CICS SVC number has been defined incorrectly in the SIT.

**System action**
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.
Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Check to see whether the CICS SVC number has been defined correctly in the SIT and the SIT overrides.

Check that the SVC and other code has been correctly installed as described in the Installing CICS TS. In particular, ensure that the CICS post-exit stub (DFHDSPEX) is in the LPA.

**Module:**

DFHDSDM

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**

Console

**DFHDS0102 I**

*date time applid QR TCB CPU / dispatch ratio: percentage. QR TCB dispatch / interval ratio: saturation.*  
(1= - CICS statistics have been reset.)

**Explanation**

The ratio (expressed as a percentage) of the accumulated CPU time to the accumulated dispatch time for the QR TCB and also the dispatch / interval ratio of the QR TCB. Subject to being reset, these numbers provide the average utilization and the average saturation of the QR TCB for the current interval.

If the message states that the CICS statistics have been reset, the ratios will not be a true reflection for the current interval.

**System action**

None.

**User response**

The ratios are dependent on the CICS workload and machine utilization for the current interval and are for information only.

Note that this message is not issued if the dispatch / interval ratio for the current interval is less than 5 percent.

See The QR TCB CPU Dispatch Ratio for advice on how to interpret these ratios.

This message is issued, by default, every 5 minutes. To change the frequency of this message specify system initialization parameter INITPARM=(DFHQRCPU='nn') as a system initialization parameter where 'nn' is a number between 01 and 59 minutes. The message can be suppressed by specifying a value of '00'.

**Module:**

DFHQRCPU

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **percentage**
5. **saturation**
6. Value chosen from the following options:
   
   1=,
   
   2= - CICS statistics have been reset.

**Destination**

CSMT

**DFHDS0103 I**

*date time applid The INITPARM value specified for module DFHQRCPU value is invalid.*

**Explanation**

An invalid value has been specified on the INITPARM=(DFHQRCPU='nn') system initialization parameter.

**System action**

Processing continues. The suspend interval uses the default value of 5 minutes.

**User response**

The value specified on the INITPARM=(DFHQRCPU='nn') system initialization parameter must be two numeric digits with a value in the range 01 and 59.

**Module:**

DFHQRCPU

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. value

**Destination**

CSMT

DFHD0104 I  *date time applid* The INITPARM value specified for module DFHQRCPU is zero. DFHD0102 messages will not be issued.

**Explanation**

A value of zero has been specified on the INITPARM=(DFHQRCPU='nn') system initialization parameter.

**System action**

Transaction CQRC terminates and no DFHD0102 messages will be issued for this run of CICS.

---

**DFHDUnnnn messages**

DFHD0001  *applid* An abend (code aaa/bbbb) has occurred at offset X'offset' in module *modname*.

**Explanation**

An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action**

An exception entry is made in the trace table.

For module DFHDUTM, a system dump is taken. This dump cannot be suppressed. CICS processing continues.

For module DFHDUDU, a system dump cannot be taken as doing so could cause CICS to loop. CICS processing continues.

For other modules, a system dump is taken.

CICS processing continues.

Message DFME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Then look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, a runaway or a recovery percolation, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.
If the abend occurred in modules DFHDUDT or DFHDUTM, the dump table is not available. Therefore, any EXEC API commands relating to dump codes fail and any dumps taken are processed using default information (for example, whether to terminate CICS or not) rather than information you may have put on the dump table for specific dump codes.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHDUDT, DFHDUTM, DFHDUDU, DFHDUXD, DFHDUIO, DFHDUSU, DFHDUXW, DFHPCXDF, DFHSAAXDF, DFHDLXDF, DFHXDXDF, DFHXRXDF, DFHTCXDF, DFHTRXDF, DFHFCXDF

**XMEOUT parameters/Message inserts**
1. `applid`
2. `aaa/bbbb`
3. `X'offset'`
4. `modname`

**Destination**
Console

**DFHDU0002**
applid A severe error (code X'code') has occurred in module modname.

**Explanation**
An error has been detected in module modname. The code code is the exception trace point ID which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the Troubleshooting and support.

**System action**
An exception entry (code code in the message) is made in the trace table.

For module DFHDUDT, a system dump is taken unless you have specifically suppressed the dumps (by a user exit program at the XDUREQ exit, in the dump table or by global system dump suppression). CICS processing continues unless you've specified in the dump table that CICS should terminate.

For module DFHDUTM, a system dump is taken. This dump cannot be suppressed. CICS processing continues.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller. A message will be issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

If the error occurred in modules DFHDUDT or DFHDUTM, the dump table may not be available. Therefore, any EXEC API commands relating to dump codes may fail and any dumps taken may be processed using default information (for example, whether to terminate CICS or not) rather than information you may have put on the dump table for specific dump codes.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHDUDT, DFHDUTM

**XMEOUT parameters/Message inserts**
1. `applid`
2. X'code'
3. `modname`

**Destination**
Console

**DFHDU0004**
applid A possible loop has been detected at offset X'offset' in module modname.

**Explanation**
A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which happened to be executing at the time when the error was detected.
**System action**

An exception entry is made in the trace table.

For module DFHDUDT, a system dump is taken unless you have specifically suppressed the dumps (by a user exit program at the XDUREQ exit, in the dump table or by global system dump suppression). CICS processing continues unless you have specified in the dump table that CICS should terminate.

For module DFHDUTM, a system dump is taken. This dump cannot be suppressed. CICS processing continues.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname will be terminated and CICS will continue.

If you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHDUDT, DFHDUTM, DFHDUXD, DFHDUIO, DFHDUSU, DFHDUXW, DFHPCXDF, DFHSA3DF, DFHDLXDF, DFHXDXDF, DFHXRXDF, DFHTCXDF, DFHTRXDF, DFHFCXDF

**XMEOUT parameters/Message inserts**

1. applid
2. X'offset'

**Destination**

Console

DFHDU0006 applid Insufficient storage to satisfy Getmain (code X'code') in module modname. MVS code mvscode.

**Explanation**

An MVS GETMAIN was issued module modname, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point id which uniquely identifies the place where the error was detected. This error has occurred above the 16M line.

The code mvscode is the MVS GETMAIN return code.

**System action**

An exception entry is made in the trace table (code code in the message) and a system dump is taken. This dump cannot be suppressed. CICS processing continues.

**User response**

Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module modname, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

As the problem is in module DFHDUTM, EXEC API commands for browsing the dump tables may not work, or additions to the dump tables may not work.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the size limit of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you need to bring CICS down to do this.

**Module:**
DFHDUTM

Destination
Console

DFHDU0102 applid DFHDUIO could not be loaded. Transaction dump is inoperative.

Explanation
CICS could not locate module DFHDUIO during initialization.

System action
An exception trace entry is produced, and CICS continues with the transaction dump facility inoperative.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Use the exception trace entry and any other relevant messages to determine why module DFHDUIO was not available.

Module:
DFHDUDM

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHDU0201 applid About to take SDUMP.
Dumpcode: dumpcode, Dumpid: dumpid.

Explanation
An error, possibly signalled by a previous message, has caused a call to the CICS dump (DU) domain. Dump domain will issue this message immediately before calling the MVS SDUMP facility if the following conditions are satisfied:

• The SIT option, DUMP=YES, for SDUMPS has been specified.
• The dump table entry for dump code dumpcode specifies that a system SDUMP is required.
• The maximum dump limit for this dump code in the dump table entry has not been exceeded.
• The user exit XDUREQ does not suppress the taking of this dump.

The dump code dumpcode is an 8-character system dump code identifying the CICS problem. However some of these characters may be blanks. A system dump code is a CICS message number with the DFH prefix removed.

The dumpid dumpid is the unique 9-character string identifying this dump.

System action
When the dump is complete, message number DFHDU0202 is issued.

User response
Inform the system programmer, who should refer to the CICS message indicated by dumpcode to resolve the problem.

Module:
DFHDUDU
Destination

Console  DFHDU0202  applid SDUMP complete.

Explanation

This message is issued on successful completion of an SDUMP.

System action

Processing continues unless a CICS shutdown is requested by either the dump table entry for this dump or the dump call to the dump (DU) domain.

User response

Print off the system dump if required. A previous MVS message identifies in which SYS1.DUMP data set this dump can be found.

Module:  DFHDUDU

Destination

Console  DFHDU0203I  date time applid A transaction dump was taken for dumpcode: dumpcode, Dumpid: dumpid, Tranid: tranid, Tranum: trannum, Program: program.

Explanation

A CICS transaction has abnormally terminated, possibly signalled by a previous message, and the CICS dump (DU) domain has taken a transaction dump.

The dump code dumpcode is normally the 4-character CICS transaction abend code if the dump was requested as a result of a transaction abend. It may also be the value of the DUMPCODE operand on an EXEC CICS DUMP TRANSACTION request.

The dump ID dumpid is the unique 9-character string identifying this dump.

The transaction name tranid, transaction number trannum and program name program provide more information about the circumstances when the dump was taken.

System action

A transaction dump is written to the current CICS dump data set, either DFHDMPA or DFHDMPB.

CICS may terminate if the dump table entry for the specified abend code specifically requests it.

User response

Print off the transaction dump if required.

Module:  DFHDUDU

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. dumpcode
5. dumpid
6. tranid
7. trannum
8. program

Destination

CDUL  DFHDU0205  applid A system dump for dumpcode: dumpcode was suppressed by the reason.

Explanation

An error, possibly signalled by a previous message, has caused a call to the CICS (DU) dump domain, which failed to take a system dump for reason reason. Reason reason indicates what has caused dump suppression.

- The XDUREQ user exit.
- The dump table option for dump code dumpcode.
- Global system dump suppression options.

The dump code dumpcode is an 8-character system dump code identifying the CICS problem. However some of these characters may be blanks. A system dump code is a CICS message number with the DFH prefix removed.

System action

A system dump is not produced. However, CICS is terminated if the dump table entry for this dump code or the caller of the dump domain requests CICS termination.
User response

If a system dump is required for this dump code, perform the user action appropriate to the reason reason given in the message.

- If the user exit XDUREQ has suppressed the dump, either inactivate this exit, or as a more permanent measure change the user exit program not to suppress the dump.
- If the dump table has suppressed the dump, use CEMT or CECI to browse and update the dump table entry for dump code dumpcode.
- If the global system dump suppression option DUMP=NO has suppressed the dump, specify DUMP=YES on the SIT to allow future system dumps to be taken.

If the global system dump suppression option DUMP=TABLEONLY has suppressed the dump, add the required system dumpcode to the dump table to allow future system dumps to be taken.

The SIT DUMP option can be over-ridden by using CEMT or the system programming interface for SET SYSTEM DUMPING (NOSYSDUMP|SYSDUMP|TABLEONLY).

Module:
DFHDUDU

Destination

Console

DFHDU0206I date time applid A transaction dump for dumpcode: dumpcode was suppressed by the reason.

Explanation

A CICS transaction has abnormally terminated, possibly signalled by a previous message, and the CICS dump (DU) domain has failed to take a transaction dump for the reason reason. Reasons reason indicates the reason for dump suppression.

- XDUREQ user exit.
- Dump table option for this dump code.

The dump code dumpcode is the 4-character CICS transaction abend code.

System action

A transaction dump is not produced. However, CICS is terminated if the dump table entry for this dump code or the caller of the dump domain specifically requests such.

User response

If a transaction dump is required for this dump code, perform the user action appropriate to the reason reason given in the message.

- If the user exit XDUREQ has suppressed the dump, either inactivate this exit, or as a more permanent measure change the user exit program so that it does not suppress the dump.
- If the dump table has suppressed the dump, use CEMT or CECI to browse and update the dump table entry for dump code dumpcode.

Module:
DFHDUDU

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. dumpcode
5. reason

Destination

CDUL

DFHDU0207I date time applid Transaction and system dumps for dumpcode: dumpcode were suppressed by the reason.

Explanation

Either an EXEC CICS DUMP TRANSACTION DUMPCODE command has been issued, or a CICS transaction has abnormally terminated, possibly signalled by a previous message, and the CICS dump (DU) domain has failed to take a transaction dump nor a system dump for reason reason. Reasons reason indicates what caused dump suppression.

- XDUREQ user exit.
- Dump table option for this dump code.

The dump code dumpcode is the 4-character CICS transaction abend code.

System action

Neither a transaction nor a system dump is produced. However, CICS is terminated if the dump table entry for this dump code or the caller of the dump domain makes such a request.
User response

If a transaction dump and/or a system dump is required for this dump code, perform the user action appropriate to the reason *reason* given in the message:

- If the user exit XDUREQ has suppressed the dump, either inactivate this exit, or, as a more permanent measure change, the user exit program so it does not suppress the dump.
- If the dump table has suppressed the dump, use CEMT or CECI to browse and update the dump table entry for this dump code.

**Module:**
DFHDUDU

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *dumpcode*
5. *reason*

**Destination**
CDUL

**DFHDU0208**
*applid* SDUMP busy - CICS will retry in five seconds.

**Explanation**

At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This caused MVS to reject the new request. A non-zero value for the DURETRY parameter on the SIT means that CICS is waiting for five seconds before reissuing the SDUMP request.

**System action**

CICS issues an MVS STIMERM macro which caused CICS to stop for five seconds. The request is reissued when the delay interval has expired. CICS will delay and retry every five seconds for a total time equal to the number of seconds specified on the DURETRY SIT parameter.

**User response**

None.

**Module:**
DFHDUDU

**Destination**

**DFHDU0209**
*applid* Retrying SDUMP.

**Explanation**

At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This caused MVS to reject the new request. CICS has waited for five seconds (as indicated by message DFHDU0208) and is now about to reissue the SDUMP request.

**System action**

CICS reissues the SDUMP request.

**User response**

None.

**Module:**
DFHDUDU

**Destination**

**DFHDU0210**
*applid* SDUMPX REQUEST FAILED - *reason*.

**Explanation**

An MVS SDUMPX request from CICS signalled by message DFHDU0201 has failed to complete successfully. The possible reasons, *(reason)* for the failure are as follows:

- **SDUMPX RETURN CODE X'nn' REASON X'mm' SDUMPX BUSY**

  At the time of the MVS SDUMPX request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This causes MVS to reject the new request. If a nonzero value is specified for the DURETRY SIT parameter, CICS retries the SDUMPX request every five seconds for the specified period. This message is only issued if SDUMPX is still busy after the final retry.

- **SDUMPX RETURN CODE X'nn' REASON X'mm' NO DATA SET AVAILABLE**

  No SYS1.DUMP data sets were available at the time the SDUMPX request was issued.
SDUMPX RETURN CODE X'nn' REASON = X'mm'

MVS has rejected the SDUMPX request for some other reason than those listed above. X'nn' gives the SDUMPX return code and X'mm' gives the SDUMPX reason code.

STIMERM FAILED

In order to delay for five seconds before retrying SDUMPX after an SDUMPX BUSY condition, CICS issues an MVS STIMERM macro request. MVS has indicated that the STIMERM request has failed.

NOT AUTHORIZED IN CICS

SDUMP is not authorized for this CICS run.

INSUFFICIENT STORAGE

CICS issued an MVS GETMAIN for Subpool 253 storage during the processing of the SDUMPX request. The GETMAIN has been rejected by MVS.

DFHDUSVC FESTAE FAILED

CICS issued an MVS FESTAE request from DFHDUSVC during the processing of the SDUMPX request. The FESTAE has been rejected by MVS.

IWMWQWRK RETURN CODE X'xx' REASON X'yy'
REMOTE DUMPS NOT TAKEN

CICS issued an MVS IWMWQWRK request during the processing of the SDUMPX request for dumps of related CICS systems. The IWMWQWRK request has been rejected by MVS return code X'xx' and reason X'yy'. In this case CICS was unable to dump related CICS address spaces but has attempted to dump the local address space.

DFHDUSVC INVALID PROBDESC

The SDUMPX PROBDESC parameters, created by DFHDUSVC, contain invalid data.

System action

CICS proceeds as if the dump had been successful.

User response

The user response depends on the reason, (reason), for the failure.

SDUMPX RETURN CODE X'nn' ONLY PARTIAL DUMP.

See the z/OS MVS Programming: Authorized Assembler Services Reference (Volume 1) for an explanation of the SDUMPX return code X'nn'. Use MVS problem determination methods to determine why a partial dump was taken.

SDUMPX RETURN CODE X'nn' REASON X'mm'

SDUMPX BUSY

Cause the SDUMP to be reissued after, if appropriate, increasing the value of the DURETRY system initialization parameter. See the z/OS MVS Programming: Authorized Assembler Services Reference (Volume 1) for an explanation of the SDUMPX return code X'nn' and reason X'mm'.

SDUMPX RETURN CODE X'nn' REASON X'mm'
NO DATA SET AVAILABLE

Clear a SYS1.DUMP data set and then cause the SDUMP request to be reissued. See the z/OS MVS Programming: Authorized Assembler Services Reference (Volume 1) for an explanation of the SDUMPX return code X'nn' and reason X'mm'.

SDUMPX RETURN CODE X'nn' REASON X'mm'

No action is required if the dump was suppressed deliberately. If the dump has failed because of an error in the MVS SDUMP routine, use MVS problem determination methods to fix the error and then cause the SDUMP request to be reissued. See the z/OS MVS Programming: Authorized Assembler Services Reference (Volume 1) for an explanation of the SDUMPX return code X'nn' and reason code X'mm'.

STIMERM FAILED

Use MVS problem determination methods to fix the STIMERM failure and then cause the SDUMP request to be reissued.

NOT AUTHORIZED IN CICS

This reason is unlikely to occur because SDUMPX is unconditionally authorized during CICS initialization, and should be authorized throughout the CICS run. If you do get this reason, the CICS AFCB (authorized function control block) has probably been accidentally overwritten.

INSUFFICIENT STORAGE

Ensure sufficient storage is available to MVS for subpool 253 requests.

DFHDUSVC FESTAE FAILED

Use MVS problem determination methods to fix the FESTAE failure and then cause the SDUMP request to be reissued. See the z/OS MVS Programming: Authorized Assembler Services Reference (Volume 1) for an explanation of the FESTAE macro.

IWMWQWRK RETURN CODE X'xx' REASON X'yy'.

CICS issued an MVS IWMWQWRK request during the processing of the SDUMPX request. The IWMWQWRK request has been rejected by MVS return code X'xx' and reason X'yy'. See the z/OS
MVS Programming: Authorized Assembler Services Reference (Volume 1) for an explanation of the return and reason codes.

**DFHDUSVC INVALID PROBDESC**
The SDUMPX PROBDESC parameters, created by DFHDUSVC during the processing of the SDUMPX request, are invalid. The PROBDESC parameters have probably been accidentally overwritten.

**Module:**
DFHDUDU

**Destination**
Console

**DFHDU0211**
applid THE XDUREQ USER EXIT IS NOT CALLED FOR DUMPCODE dumpcode.

**Explanation**
Because of a severe system error, the XDUREQ user exit (which allows you to suppress system dumps) has not been called for system dump dumpcode.

**System action**
The XDUREQ user exit is not called.
DFHDU0211 is followed either by message DFHDU0201, indicating that dump dumpcode was taken, or by message DFHDU0205, indicating that dump dumpcode was suppressed. Message DFHDU0201 or DFHDU0205 is followed by message DFHDU0309 if CICS terminates.
The XDUREQ user exit is called for subsequent system dumps.

**User response**
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHDUDU

**Destination**
Console

**DFHDU0212**
applid Requested transaction dump code dumpcode is invalid.

**Explanation**
A requested transaction dump code has unprintable characters, or has leading or imbedded blanks.

**System action**
A transaction dump is produced unless suppressed by the user exit XDUREQ. However, no dump statistics are committed. The transaction dump is complete when message DFHDU0203 is issued. The invalid dump code is shown in dump domain (DU) trace points X’0600’ and X’0601’.

**User response**
Print off the transaction dump and determine how an abend or EXEC CICS request was issued with an invalid dump code.

**Module:**
DFHDUDU

**XMEOUT parameters/Message inserts**
1. applid
2. dumpcode

**Destination**
Console

**DFHDU0213**
REMOTE SDUMPX REQUEST FAILED - reason.

**Explanation**
A remote MVS SDUMPX request from CICS has failed to complete successfully. The possible reasons, (reason) for the failure are as follows:

**DFHDUMPX AUTOMATIC STORAGE GETMAIN FAILED.**
CICS issued an MVS GETMAIN for Subpool 253 storage during the processing of the SDUMPX request. The GETMAIN has been rejected by MVS.

**DFHDUMPX NOT RUNNING IN THE MAIN ADDRESS SPACE.**
DFHDUMPX must run in the MAIN address space. CICS stops processing the remote SDUMPX request if it detects that DFHDUMPX is running in another address space.

**IWMWQWRK FOUND NO ADDRESS SPACES TO DUMP.**
The MVS IWMWQWRK service found no CICS address spaces with work relating to the remote SDUMPX request.

**IWMWQWRK FAILED WITH A WARNING.**
CICS issued an MVS IWMWQWRK request from DFHDUMPX during the processing of the
remote SDUMPX request. MVS has rejected the IWMWQWRK request with a warning return code.

**IWMWQWRK FAILED WITH AN ERROR.**

CICS issued an MVS IWMWQWRK request from DFHDUMPX during the processing of the remote SDUMPX request. MVS has rejected the IWMWQWRK request with an error return code.

**DFHDUMPX OUTPUT WORKAREA GETMAIN FAILED**

CICS issued an MVS GETMAIN for Subpool 253 storage during the processing of the SDUMPX request. The GETMAIN has been rejected by MVS.

**DFHDUMPX RECOVERY ROUTINE ENTERED**

An abnormal end (abend) or program check has occurred in DFHDUMPX. This implies that there is an error in CICS code.

Alternatively, unexpected data has been input, or storage has been overwritten.

CICS adds diagnostic data to the MVS SDWA and makes an entry in SYS1.LOGREC.

**System action**

CICS proceeds as if the dump had been successful.

**User response**

The user response depends on the reason, *(reason)*, for the failure.

**DFHDUMPX AUTOMATIC STORAGE GETMAIN FAILED.**

Ensure sufficient storage is available to MVS for subpool 253 requests.

**DFHDUMPX NOT RUNNING IN THE MAIN ADDRESS SPACE.**

This reason is unlikely to occur because CICS requests that the MVS CSVDYNEX service adds DFHDUMPX as an IEASDUMP.QUERY exit in the MAIN address space.

If you do get this reason, there was probably an error during CICS initialization.

Notify the system programmer.

You will need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

**IWMWQWRK FOUND NO ADDRESS SPACES TO DUMP.**

This is unlikely to be an error. DFHDUMPX is invoked on all the MVS images in a SYSPLEX for a remote SDUMPX request. Some of the images may not have any CICS address spaces with work relating to the CICS system which originated the remote SDUMPX request.

**IWMWQWRK FAILED WITH A WARNING.**

The IWMWQWRK return code and reason are included in a CICS trace entry which is written to the GTF data set. The trace entry is not written to the CICS internal trace or in the CICS auxiliary trace data set because DFHDUMPX does not execute under a CICS TCB.

See the z/OS MVS Programming: Authorized Assembler Services Reference (Volume 1) for an explanation of the IWMWQWRK return code and reason.

**IWMWQWRK FAILED WITH AN ERROR.**

The IWMWQWRK return code and reason are included in a CICS trace entry which is written to the GTF data set. The trace entry is not written to the CICS internal trace or in the CICS auxiliary trace data set because DFHDUMPX does not execute under a CICS TCB.

See the z/OS MVS Programming: Authorized Assembler Services Reference (Volume 1) for an explanation of the IWMWQWRK return code and reason.

**DFHDUMPX OUTPUT WORKAREA GETMAIN FAILED**

Ensure sufficient storage is available to MVS for subpool 253 requests.

**DFHDUMPX RECOVERY ROUTINE ENTERED**

Notify the system programmer.

To resolve the problem, collect any data from SYS1.LOGREC, any dumps and any relevant messages. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHDUMPX

**Destination**

Console

**DFHDU0214**  DFHDUMPX IS ABOUT TO REQUEST A REMOTE SDUMP.

**Explanation**

DFHDUMPX is called under the MVS IEASDUMP.QUERY exit and determines whether a remote dump should be taken.
DFHDUMPX issues this message immediately before returning to MVS if the following conditions are satisfied:

- a dump has been requested for a CICS dump code, whose dump table entry specified that related dumps are required, and DFHDUMPX has found related CICS work on this MVS image or
- the operator requested remote dumps from the console, including the CICS DFHJOBN keyword in the MVS PROBDESC parameters, and DFHDUMPX has found CICS jobs on this MVS image which match the DFHJOBN data.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHDUMPX

**Destination**
Console

**DFHDU0215**

**DFHDUMPX IS ABOUT TO SUPPRESS A REMOTE SDUMPX.**

**Explanation**
DFHDUMPX is called under the MVS IEASDUMP.QUERY exit and determines whether a remote dump should be taken.

DFHDUMPX issues this message immediately before returning to MVS if it has found that a remote dump should be suppressed.

The remote dump is suppressed under the following conditions:

- A dump has been requested for a CICS dump code, whose dump table entry specified that related dumps are required, and DFHDUMPX has found no related CICS work on this MVS image or
- The operator requested remote dumps from the console, including the CICS DFHJOBN keyword in the MVS PROBDESC parameters, and DFHDUMPX has found no CICS jobs on this MVS image which match the DFHJOBN data.

The remote dump is also suppressed if an error occurred during the DFHDUMPX processing. Look for a previous DFHDU0213 message to find the reason for the error.

**System action**
Processing continues.

**User response**
To determine whether action is necessary refer to any DFHDU0213 message preceding this one.

**Module:**
DFHDUMPX

**Destination**
Console

**DFHDU0216**

**PROBDESC DOES NOT CONTAIN CICS DATA.**

**Explanation**
DFHDUMPX is called under the MVS IEASDUMP.QUERY exit and determines whether a remote dump should be taken.

DFHDUMPX issues this message if it has found that the SDUMPX PROBDESC parameters do not contain CICS data. It is probable that this is not an error and that the remote dump was requested by a product other than CICS. However, if you were expecting a CICS remote dump it could be that the PROBDESC parameters were accidentally overwritten.

**System action**
DFHDUMPX will request that MVS suppresses the remote dump and then processing continues.

**User response**
You need to take the action only if you were expecting a remote CICS dump.

Notify the system programmer.

To resolve the problem, collect any data from GTF trace, any dumps and any relevant messages. See **Working with IBM to solve your problem** for guidance on how to proceed.

**Module:**
DFHDUMPX

**Destination**
Console

**DFHDU0217**

**applid SDUMPX request completed with a return code of X'04'. A complete or partial dump has been taken.**
An MVS SDUMPX request from CICS signalled by message DFHDU0201 may have resulted in a complete or partial SVC dump. Even though the request completed with an SDUMPX return code X'04', it is possible that sufficient information has been dumped to enable successful diagnosis of the problem that caused the dump to be taken. The accompanying message(s) IEA611E/IEA911E should be used to determine the suitability of the dump for successful diagnosis.

**System action**
CICS proceeds as if the dump had been successful.

**User response**
See the z/OS MVS Programming: Authorized Assembler Services Reference (Volume 1) for an explanation of the SDUMPX return code X'04'.

**Module:** DFHDUDU

---

A remote MVS SDUMPX request has failed to complete successfully because there were no SDUMPX PROBDESC parameters supplied.

MVS invokes DFHDUMPX under the IEASDUMP.QUERY exit and without the SDUMPX PROBDESC parameters DFHDUMPX cannot determine whether to take or suppress a remote dump.

This is only an error if the remote SDUMPX request was made by CICS for a system dump code that included the RELATED option, or if the operator entered a remote SDUMPX request that included PROBDESC parameters. This is not an error if another non-CICS component intentionally calls DFHDUMPX without PROBDESC.

**System action**
CICS proceeds as if the dump had been successful.

**User response**
If you believe this is an error you will need further assistance from IBM to resolve this problem. Collect any data from GTF trace, any dumps, and any relevant messages then see Part 4 of the "Troubleshooting and support" for guidance on how to proceed.

**Module:** DFHDUMPX

---

This message is output when attempting to write a record to the transaction dump data set. **text-descr** is one of the following:

- DCB ABEND
- TASK TIMEOUT
- TASK CANCEL

**System action**
None unless **text-descr** is DCB ABEND, in which case an exception entry is made in the trace table and a system dump is taken.

**User response**
Notify the system programmer.

In the case of DCB ABEND, there will normally be an accompanying MVS error message to help identify the problem with the data set.

If the problem is not due to a major corruption of CICS, successful switching of dump data sets will reinstate the transaction dump environment. Otherwise, the transaction dump environment will be available only if the XDUOUT user-exit is active.

The message can be suppressed with the system initialization parameter MSGLVL=0.

**Module:** DFHDUIO

---

This message is output when attempting to write a record to the transaction dump data set. **applid** Transaction Dump Data set **dataset** to be closed due to **text-descr**.

**Explanation**
This message is output when attempting to write a record to the transaction dump data set. **text-descr** is one of the following:

- DCB ABEND
- TASK TIMEOUT
- TASK CANCEL

**System action**
None unless **text-descr** is DCB ABEND, in which case an exception entry is made in the trace table and a system dump is taken.

**User response**
Notify the system programmer.

In the case of DCB ABEND, there will normally be an accompanying MVS error message to help identify the problem with the data set.

If the problem is not due to a major corruption of CICS, successful switching of dump data sets will reinstate the transaction dump environment. Otherwise, the transaction dump environment will be available only if the XDUOUT user-exit is active.

The message can be suppressed with the system initialization parameter MSGLVL=0.
DFHDU0303I  applid Transaction Dump Data set dataset closed.

Explanation
This message is issued in one of the following situations:
• A request to close the dump data set is issued by the operator.
• The CICS system is shut down.
• A request to switch between dump data sets is issued by the operator.
• A transaction dump data set becomes full.
The insert dataset indicates the name of the data set being closed.

System action
Processing continues.

If autoswitching of the transaction dump data set is not active, the transaction dump environment is available only if the XDUOUT user-exit is active.

If autoswitching is enabled, this message is followed by DFHDU0304 and DFHDU0305 to indicate that the data set switch is successful.

If the switch is unsuccessful, this message is followed by DFHDU0306.

The message can be suppressed with the system initialization parameter MSGGLVL=0.

User response
None.

Module:
DFHDUSU

XMEOUT parameters/Message inserts
1. applid
2. dataset

Destination
Console

DFHDU0304I  applid Transaction Dump Data set dataset opened.

Explanation
This message is issued when any of the following situations occur:
• A request to open the dump data set is issued by the operator.
• The CICS system is brought up.
• A request to switch between dump data sets is issued by the operator.
• Automatic switching between dump data sets is being performed.

The insert dataset in the message indicates the name of the data set being opened.

System action
Processing continues.

User response
None. The message can be suppressed with the system initialization parameter MSGGLVL=0.

Module:
DFHDUSU

XMEOUT parameters/Message inserts
1. applid
2. dataset

Destination
Console

DFHDU0305I  applid Transaction Dump Data set switched to ddname

Explanation
This message is issued when one of the following situations occurs:
• A command is issued by the operator to switch dump data sets.
• Automatic switching is being performed between dump data sets due to a dump data set being full.

This message is always preceded by message DFHDU0304 and also, if the old dump data set was open, by message DFHDU0303.

The insert ddname in the message indicates the ddname of the active transaction dump data set (either DFHDMPA or DFHDMPB).

System action
Processing continues.
User response
Print or copy the completed dump data set, and if required, reissue the command CEMT SET DUMP AUTO.

The message can be suppressed with the system initialization parameter MSGLEVEL=0.

Module:
DFHDUSU

XMEOUT parameters/Message inserts
1. applid
2. ddname

Destination
Console

DFHDUS0306 applid Unable to open Transaction Dump Data set dataset - text-descr

Explanation
This message occurs when attempting to open a transaction dump data set.
text-descr is one of:

OPEN ERROR
An attempt was made to open the dump data set, and an abend exit was invoked. This condition is usually accompanied by MVS system messages.

INSUFFICIENT STORAGE
An MVS GETMAIN was issued to obtain storage below the 16MB line. This request was unsuccessful.

System action
An exception entry is made in the trace table.
In both cases, the transaction dump data set is not open, and unless the XDUOUT exit is active, the transaction dump is inoperative.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
See any associated MVS messages for further guidance.

Module:
DFHDUIO

XMEOUT parameters/Message inserts
1. applid
2. dataset
3. text-descr

Destination
Console

DFHDU0307 applid Module DFHDUIO is unavailable. Transaction dump is inoperative.

Explanation
This message is issued either when an attempt is made to open or close a dump data set, or when switching between dump data sets, to remind the user that CICS could not locate module DFHDUIO during initialization. CICS will have issued message DFHDU0102 during initialization to warn the user of this condition.

System action
CICS continues with the transaction dump facility inoperative.

User response
If necessary, refer to the user response for message DFHDU0102.

Module:
DFHDUSU

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHDU0308I applid CICS will terminate because the Dump Table entry for the transaction dump code: dumpcode specifies shutdown.

Explanation
This message is issued when a transaction dump has been requested for the transaction dump code dumpcode and the associated dump table entry specifies that CICS should be terminated.

This message records that it was a transaction dump table entry which requested the termination of CICS.
**System action**  
CICS is terminated.

**User response**  
Process any transaction dump in the normal way.
On a warm or emergency start, explicitly defined dump table entries are restored from the catalog. If the dump table entry for `dumpcode` was explicitly defined, it can be modified to prevent CICS from terminating, if desired, using CEMT or EXEC API commands.

Implicitly defined dump table entries are not recorded on the catalog and are therefore not restored. On a cold or initial start, CICS does not restore the dump table from the catalog.

The message can be suppressed with the system initialization parameter MSGLVL=0.

**Module:**  
DFHDUDU

**XMEOUT parameters/Message inserts**

1. `applid`
2. `dumpcode`

**Destination**  
Console

**Explanation**

This message is issued when a system dump has been requested for the system dump code `dumpcode` and the associated dump table entry specifies that CICS should be terminated.

This message records that it was a system dump table entry which requested the termination of CICS.

**System action**  
CICS is terminated.

**User response**  
Print off any system dump if required.
On a warm or emergency start, explicitly defined dump table entries are restored from the catalog. If the dump table entry for `dumpcode` was explicitly defined, it can be modified to prevent CICS from terminating using CEMT or EXEC API commands.

Implicitly defined dump table entries are not recorded on the catalog and are therefore not restored. On a cold or initial start, CICS does not restore the dump table from the catalog.

**Module:**  
DFHDUDU

**Destination**  
Console

**DFHDU0310  applid XDUCLSE auto-switch request overridden. Transaction dump data sets are too small.**

**Explanation**

This message is issued when
- the transaction dump is too large to fit in the current dump data set.
- a request to auto-switch between transaction dump data sets is issued by the XDUCLSE user-exit.
- the transaction dump is too large to fit in the newly opened dump data set.
- a second request to auto-switch between transaction dump data sets is issued by XDUCLSE.

**System action**

CICS can not write the transaction dump to a transaction dump data set because the data sets are too small. CICS closes the data sets and processing continues.

**User response**  
Inform the system programmer.
You need to bring CICS down and increase the space allocation for the transaction dump data sets to resolve this problem.
You may decide to delay terminating CICS until a convenient time. You can issue the command CEMT SET DUMP OPEN to reinstate the transaction dump environment but you will continue to lose any dumps that are too large to be written to the data sets.

**Module:**  
DFHDUSU

**XMEOUT parameters/Message inserts**

1. `applid`
Destination
Console

DMHDU0311 applid DUMPSW=ALL setting overridden. Transaction dump data sets are too small.

Explanation
This message is issued when
• the transaction dump is too large to fit in the current dump data set.
• a request to auto-switch between transaction dump data sets is issued because DUMPSW=ALL is set.
• the transaction dump is too large to fit in the newly opened dump data set.
• a second request to auto-switch is issued because DUMPSW=ALL is set.

System action
CICS can not write the transaction dump to a transaction dump data set because the data sets are too small. CICS closes the data sets and processing continues.

User response
Inform the system programmer.
You need to bring CICS down and increase the space allocation for the transaction dump data sets to resolve this problem.
You may decide to delay terminating CICS until a convenient time. You can issue the command CEMT SET DUMP OPEN to reinstate the transaction dump environment but you will continue to lose any dumps that are too large to be written to the data sets.

Module:
DFHDUSU

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DMHDU1601 DATA SET READ ERROR.

Explanation
The access method has indicated a read error. The dump data set may not have been opened during the most recent CICS execution.

System action
The record is skipped.

User response
Either ensure that the JCL is correct, or determine the reason for the read errors.

Module:
DFHDU730

Destination
Console

DMHDU1602 36 CONSECUTIVE UNIDENTIFIABLE RECORDS, DUMP UTILITY TERMINATED.

Explanation
An identification record has an incorrect code or format. The most common reasons for this error include the following.
• The wrong data set is being processed.
• The dump data set that the utility is trying to process has not been used in the current CICS execution.
In the latter case, the error would arise because no dumps were produced in the current execution or because the data sets had been switched.

System action
Records are skipped and execution is terminated with a return code of 8.

User response
Ensure that the correct data set is being processed. Alternatively, check for a possible error in the dump control program, DFHDCP.
If two dump data sets are being used, check that the data set being processed has been used before in the current CICS execution.

Module:
DFHDU730

Destination
Console

DMHDU1603 NO {DUMP | PRINT} DATA SET DD CARD (DFHMPDS | DFHPRINT), DUMP UTILITY TERMINATED.
Explanation
A dump or a print data set was not successfully opened.

System action
If it was a dump data set that failed to open successfully, the system prints the message on the print data set and terminates execution with a return code of 12.
If it was the print data set that failed to open successfully, the system terminates execution with a return code of 16.

User response
If the JCL is correct with the stated ddnames as in the message, determine why the data set cannot be opened. The return codes are issued by DFHDU730. They only identify whether a dump or print data set failed.

Module: DFHDU730

Destination
Console

DFHDU1604 END OF FILE ENCOUNTERED, LAST DUMP MAY BE INCOMPLETE.

Explanation
The dump data set has been filled.

System action
The dump utility program DFHDU730 terminates.

User response
Check that the dump is complete and that no incomplete message is at the end of it. If there is an incomplete message at the end of the dump, the last dump in the data set may not contain all the information required. You should recreate the problem to try and get a complete dump. If dump data set auto-switching was active at the time the dump was taken, a complete version of the dump is present on the alternate dump data set.

Module: DFHDU730

Destination
SYSPRINT

DFHDU1609 36 READ ERRORS ENCOUNTERED. DUMP UTILITY TERMINATED.

Explanation
The access method has indicated 36 invalid records in the dump data set. The most probable cause of this problem is an invalid end-of-file marker which caused the access method to attempt to read beyond the last record in the data set. This problem may also have been caused if:
• DFHDU730 has been run with a data set that has never been accessed by CICS before. The data set may contain an invalid type of record format.
• DFHDU730 has been run with a data set that has been copied with the wrong block size and record format.

System action
The dump utility execution is terminated with a return code of 8 from DFHDU730.

User response
Determine and correct the reason for the access failure. Recreate the dump if necessary.

Module: DFHDU730

Destination
Console

DFHDU1610 DUMP FORMATTING HAS ENCOUNTERED AN INVALID TRACE BLOCK. TRACE ENTRIES MAY BE LOST.

Explanation
The dump utility program, DFHDU410, has detected an error while copying trace records from the trace data set. Trace records may be omitted from the formatted output.

System action
DFHDU410 attempts to read the next trace block and continues formatting trace records.

User response
To resolve the problem, keep the dump and contact your IBM Support Center. Further guidance on how to prepare information for IBM support is given in the Troubleshooting and support Chapter 2. CICS messages 677
with this process, refer to the guide before contacting IBM.

**Module:**
DFHDU730

**Destination**
Console

**DFHDXnnnn messages**

<table>
<thead>
<tr>
<th>DFHDX83001</th>
<th>applid GETMAIN REQUEST FAILED. NOT ATTEMPTING TO CONNECT TO ALTERNATE SYSTEMS.</th>
</tr>
</thead>
</table>

**Explanation**
The CICS system, with specific applid given, was unable to obtain working storage to control the sequencing of DBCTL connection attempts defined in the RST. (Recovery Service Table).

**System action**
CICS attempts to connect only to the DBCTL subsystem defined in the DBCTL start-up table.

**User response**
The working storage can be above the 16MB line so the GETMAIN request is unlikely to fail for genuine lack of space. If the error is persistent it may be necessary to cancel CICS with a dump to resolve the problem.

**Module:**
DFHDXAX

**Destination**
Console

<table>
<thead>
<tr>
<th>DFHDX8301I</th>
<th>applid LOAD REQUEST FAILED FOR rstname. NOT ATTEMPTING TO CONNECT TO ALTERNATE SYSTEMS.</th>
</tr>
</thead>
</table>

**Explanation**
The CICS system, with the specific applid given, was unable to load the RST rstname while looking for the names of alternative DBCTL subsystems to which to connect.

**System action**
CICS will attempt to connect only to the DBCTL subsystem defined in the DBCTL start-up table.

**User response**
Check that the RST suffix in the SIT is correct and that the RST is actually present in the authorized library.

**Module:**
DFHDXAX

**Destination**
Console

**System action**
Transaction dump formatting continues with only abbreviated trace for this dump.

**User response**
If only the full trace is required, rerun the DFHDU410 job with the NOABBREV parameter. Otherwise attempt to recreate the dump. If the problems recurs, keep the dump and contact your IBM Support Center. Further guidance on how to prepare information for IBM support is given in the Troubleshooting and support.

If you are not familiar with this process, refer to the guide before contacting IBM.

**Module:**
DFHDU730

**Destination**
Console
**Explanation**
The CICS system, with the specific applid given, found that the RST \textit{rstname} was invalid.
It is unable to use it to look for the names of alternative DBCTL subsystems to which to connect.

**System action**
CICS will attempt to connect only to the DBCTL subsystem defined in the DBCTL start-up table.

**User response**
Check that the RST suffix in the SIT is correct and that the RST has been correctly prepared using the DFHRST macro that is supplied as part of the CICS product.

**Module:** DFHDXAX

**Destination**
Console

**DFHDX8303** \textbf{applid DELETE REQUEST FAILED FOR \textit{rstname}.}

**Explanation**
The CICS system, with the specific applid given, was unable to delete the RST \textit{rstname} after completing an attempt to connect to a DBCTL subsystem.

**System action**
CICS continues normally.

**User response**
If the error is persistent it may be necessary to cancel CICS with a dump to resolve the problem.

**Module:** DFHDXAX

**Destination**
Console

**DFHDX8304** \textbf{applid CICS/DBCTL RECONNECTION IN PROGRESS.}

**Explanation**
This message occurs in an XRF environment only. It occurs when CICS attempts to connect to DBCTL but believes that DBCTL is restarting.

The message is displayed two minutes after the attempted connection, and then after each subsequent minute.

**System action**
CICS continues to attempt to reconnect.

**User response**
Check why DBCTL is not restarting. You can cancel the connection using the CDBC transaction.

**Module:** DFHDXAX

**Destination**
Console

**DFHDX8309** \textbf{applid Unable to detach subtask during CICS termination.}

**Explanation**
CICS has detected that a subtask, attached during CICS XRF support of DBCTL, cannot be detached during CICS termination.

**System action**
CICS abends with code A03.
Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
None. This abend occurs as a result of a previous error. Check for earlier DFHDX832x, DFHDX833x, or DFHDX834x error messages for further information and guidance.

**Module:** DFHAPDM

**XMEOUT parameters/Message inserts**
1. \textit{applid}

**Destination**
Console

**DFHDX8310I** \textbf{applid Initiating catch-up tasks.}

**Explanation**
The catch-up transaction, CXCU, has received control.
System action
The catch-up transaction is about to initiate the catch-up tasks for specific functional areas.

User response
None. This is simply a "work is in progress" message. You can suppress this message with the system initialization parameter, MSGVLL=0.

Module:
DFHCXCU

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHDX8311I applid System initialized with XRF=NO. Catch-up transaction CXCU took no action.

Explanation
The catch-up transaction, CXCU, was invoked but the CICS system specified XRF=NO. Catchup functions are not relevant.

System action
The catch-up transaction terminates normally without taking any action.

User response
None. The message can be suppressed with the system initialization parameter MSGVLL=0.

Module:
DFHCXCU

XMEOUT parameters/Message inserts
1. applid
2. progname

Explanation
The catch-up transaction failed to run program progname. Catch-up is incomplete.

System action
The CXCU transaction abends with a dump and transaction abend code ACXA.
Both active and alternate CICS systems continue, but the alternate will be less effective in the event of a takeover. For example, terminal backup sessions may not be established.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Retry by entering 'CXCU' from a terminal. If the error persists diagnose problem from the dump.

Module:
DFHCXCU

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHDX8315I applid XRF DBCTL state catch-up starting.

Explanation
The catch-up transaction to transmit the active's DBCTL state to the alternate has been started on the CICS system with specific applid named.

System action
None.

User response
None. You can suppress this message with the system initialization parameter, MSGVLL=0.

Module:
DFHDXCU

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHDX8317I applid XRF DBCTL state catch-up ignored for reason .

Explanation
The XRF DBCTL catch-up transaction has been invoked on the CICS system with the given specific applid.

Although this system has DL/I installed, and an RST has been specified in the SIT, catch-up for DBCTL has proved unnecessary for reason nn, where nn may be one of the following.

<table>
<thead>
<tr>
<th>Reason</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>DBCTL has not been used yet.</td>
</tr>
<tr>
<td>02</td>
<td>XRF DBCTL has not been used yet.</td>
</tr>
<tr>
<td>03</td>
<td>There is no connection state information to send.</td>
</tr>
<tr>
<td>04</td>
<td>The system is running with XRF=NO.</td>
</tr>
<tr>
<td>05</td>
<td>There is no alternate CICS to which to send state data.</td>
</tr>
</tbody>
</table>

System action
None. No catch-up is needed.

User response
None. You can suppress this message with the system initialization parameter, MSGVLL=0.

Module:
DFHDXCU

Chapter 2. CICS messages 681
**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

**DFHDX8318I** applid XRF DBCTL state catch-up failed for reason .

**Explanation**

The XRF DBCTL catch-up transaction has been invoked on the CICS system with the given specific applid.

The transaction has failed for reason nn, where nn may be one of the following.

**Reason**

**Meaning**

01  The CAVM message service returned an unidentifiable return code.

02  The CAVM message service returned an unexpected exception return code.

03  The CAVM message service returned an unexpected failure reason code.

**System action**

The DBCTL catch-up transaction is terminated with a dump. The transaction abend code is ADXB.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Check for any other messages relating to CAVM data set problems for further information and guidance.

**Module:**

DFHDXCU

---

**DFHDX8319I** applid XRF DBCTL state catch-up failed.

**Explanation**

The XRF DBCTL catch-up transaction has been invoked on the CICS system with the given specific applid.

The transaction has failed.

**System action**

The DBCTL catch-up transaction is terminated with a dump. The transaction abend code is ADXA.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Diagnose the error from the dump.

**Module:**

DFHDXCU

---

**DFHDX8320I** applid DBCTL Restart processing completed after DBCTL failure.

**Explanation**

The user exit XXDFA requested a restart of DBCTL. The restart was initiated successfully.

**System action**

The active CICS continues normally and will attempt to reconnect to DBCTL.

**User response**

None. You can suppress this message with the SIT parameter, MSGLEVEL=0.

**Module:**

DFHDBCT

---

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console
Destination
Console
DFHDX8321  applid Unable to determine JES affiliation of DBCTL subsystem for reason X'nn'.

Explanation
CICS can offer full XRF support only if the DBCTL to which it is connected is running under the same JES as CICS itself.
nn may be one of the following.

X'09'
MVS GETMAIN failure.

X'10'
MVS ATTACH failure.

System action
The active CICS continues, but, in the event of failure, CICS will not attempt to restart DBCTL automatically.

User response
None.
Module:
DFHDBCT

XMEOUT parameters/Message inserts
1. applid
2.

Destination
Console
DFHDX8322  applid Unable to load RST for DBCTL/XRF support will not be provided for this connection.

Explanation
CICS has been notified of a DBCTL failure, but has been unable to load the specified Recovery Service Table (RST) to determine if XRF support is required.

System action
CICS continues as if no XRF support had been requested for the failing DBCTL subsystem.

User response
Re-link-edit a valid RST into STEPLIB. DBCTL may have to be restarted manually.
Module:
DFHDBCT

XMEOUT parameters/Message inserts
1. applid
2.

Destination
Console
DFHDX8323  applid Unable to complete search for DBCTL alternate.

Explanation
CICS has been notified of a DBCTL failure, but has been unable to complete the search for a DBCTL alternate, possibly due to an unexpected return code from an IEFSSREQ request.

System action
CICS continues as if no DBCTL alternate had been found. An ADDI transaction dump will be produced. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Note:
It may be necessary to restart DBCTL manually.
Module:
DFHDBCT

XMEOUT parameters/Message inserts
1. applid

Destination
Console
DFHDX8324  applid Unable to restart DBCTL for reason X'nn'.

Chapter 2. CICS messages 683
**Explanation**

CICS was unable to restart DBCTL owing to an internal failure indicated by the value of \( n \). \( n \) may be one of the following.

\( n \)

- **Meaning**
  - X'08'
    - An MVS GETMAIN failed.
  - X'09'
    - An MVS ATTACH failed.

**System action**

The active CICS continues but was not able to restart DBCTL automatically. However, it will attempt to reconnect to DBCTL in the normal way.

**User response**

It may be necessary to restart DBCTL manually.

**Module:**

DFHDBCT

**XMEOUT parameters/Message inserts**

1. **applid**
2. **subsysid**
3. X'\( xx'\)
4. X'\( yy'\)

**Destination**

Console

DFHDX8325 **applid** Restart command issued unsuccessfully to **subsysid** for reason X'\( xx'\) X'\( yy'\).

**Explanation**

The user exit XXDFA requested a restart of DBCTL. The restart request was issued to **subsysid** but was rejected with hexadecimal reason codes X'\( xx'\) and X'\( yy'\).

**System action**

The active CICS continues normally and will attempt to reconnect to DBCTL.

**User response**

It may be necessary to restart DBCTL manually.

**Module:**

DFHDBCT

DFHDX8326 **applid** DBCTL state message lost owing to message services error.

**Explanation**

The active CICS system was unable to report a change of DBCTL connection status to the alternate.

**System action**

The active system writes an error entry in its CAVM status record, but otherwise continues normally.

**User response**

Check for any other messages relating to CAVM data set problems.

Were the CICS alternate to take over now it might try to restart the wrong DBCTL. There would be no database integrity exposure but there might some loss of availability as well as operational inconvenience. It may be preferable to cancel the alternate and restart it, either manually or via an overseer.

**Module:**

DFHDBCT

DFHDX8327 **applid** DBCTL state message lost owing to CAVM services failure.

**Explanation**

The active CICS system was unable to report a change of DBCTL connection status to the overseer.

**System action**

Processing continues.
**User response**

Check for any other CICS messages relating to CAVM data set problems (DFH66xx).

Were the overseer to oversee a takeover now it might try to restart the wrong DBCTL. There would be no database integrity exposure but there might some loss of availability as well as operational inconvenience.

If the overseer is being used to control XRF takeovers then disconnecting and reconnecting to the DBCTL will cause a re-write of the status record.

**Module:**
DFHDBCT

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**
Console

**DFHD8328  applid Unable to determine jes affiliation of (jobname, jobid).**

**Explanation**

CICS can offer full XRF support only if the DBCTL to which it is connected is running under the same JES as CICS itself.

**System action**

The active CICS continues, but, in the event of failure, CICS will not attempt to restart DBCTL automatically.

**User response**

It is recommended that DBCTL should be run under the same JES as the active CICS system.

The message indicates that either a system or set-up problem has occurred. If there is a system problem then message DFHD8321 will also be displayed.

**Module:**
DFHDBCT

**XMEOUT parameters/Message inserts**

1. **applid**
2. **jobname**
3. **jobid**

**Destination**
Console

**DFHD8329  applid Restart request after DBCTL failure ignored for reason X'nn'.**

**Explanation**

The user exit XXDFA requested a restart of DBCTL. This request has been ignored for the reason indicated by nn.

The reason code nn should be one of the following.

- **X'09'**
  - There is no alternate DBCTL to be restarted.
- **X'10'**
  - Possibly, the DBCTL subsystem is under a different JES from the active CICS system.
- **X'11'**
  - The DBCTL subsystem was an IMS DB/DC system.

**System action**

The active CICS continues as if the user exit had indicated 'no action'.

**User response**

Check that the user exit is performing as intended and that the CICS and DBCTL systems have been set up with the correct options.

**Module:**
DFHDBCT

**XMEOUT parameters/Message inserts**

1. **applid**
2. **X'nn'**

**Destination**
Console

**DFHD8330  applid IMS DB/DC region has requested XRF support.**

**Explanation**

This message is produced when CICS connects to an IMS system for which the user has requested XRF support (via the RST), but which is unable to participate in XRF. For example, in an IMS/DC system without the XRF option.
System action
The system continues to run without XRF.

User response
Either enable IMS/DC for XRF, or remove SSID from RST.

Module: DFHDBCT

XMEOUT parameters/Message inserts
1. applid

Destination
Console

Explanation
The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received an error response from the CAVM message input service.

System action
The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover. An ADMA transaction dump is produced.

User response
Check for any other messages relating to CAVM data set problems. In the event of a takeover it may be necessary to restart DBCTL manually.

Module: DFHDBCR

XMEOUT parameters/Message inserts
1. applid
2.
3. X’nn’
4.

Destination
Console

Explanation
The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received an error response from the CAVM message input service.

System action
The takeover continues. If the message is a notification of a successful connection, then the global user exit XXDTO may be driven.

User response
In order for the active CICS system to reconnect to an element of the RSE, a DBCTL must have been restarted in the active CEC. Consequently, the alternate CICS will not be able to restart an element of the RSE in the alternate CEC without terminating this new active DBCTL.

The global user exit XXDTO will be driven as part of CICS takeover processing. This exit could be used to request a takeover of the DBCTL that was restarted in the active CEC.

Locate and correct any setup or operational errors.

Module: DFHDBCR

XMEOUT parameters/Message inserts
1. applid
2.
3.

Explanation
The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received an unrecognized message from the CAVM message input service.

System action
The takeover continues. If the message is a notification of a successful connection, then the global user exit XXDTO may be driven.

User response
In order for the active CICS system to reconnect to an element of the RSE, a DBCTL must have been restarted in the active CEC. Consequently, the alternate CICS will not be able to restart an element of the RSE in the alternate CEC without terminating this new active DBCTL.

The global user exit XXDTO will be driven as part of CICS takeover processing. This exit could be used to request a takeover of the DBCTL that was restarted in the active CEC.

Locate and correct any setup or operational errors.

Module: DFHDBCR

XMEOUT parameters/Message inserts
1. applid
2.
3.

Explanation
The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received an unrecognized message from the CAVM message input service.
System action

The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover. An ADMB transaction dump is produced. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

In the event of a takeover it may be necessary to restart DBCTL manually.

Module: DFHDXCU

XMEOUT parameters/Message inserts

1. applid
2.

Destination

Console

DFHDX8334 applid Error detected in for reason nn.

Explanation

The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has detected an invalid recovery service table (RST) during processing of a CICS|DBCTL failure.

nn may be one of the following.

01

Meaning

The CICS SVC detected an error in the RST. Refer to the accompanying DFHXG64xx or DFHXA65xx message for the reason for the error.

02

The RST could not be loaded by the XRF/DBCTL tracking task, or the XRF/DBCT tracking task detected that the RST was invalid.

03

The CICS SVC detected an error in the RST during initialization. Refer to the accompanying DFHXG64xx or DFHXA65xx message for the reason for the error.

04

The CICS SVC detected an error in the RST during connect time. Refer to the accompanying DFHXG64xx or DFHXA65xx message for the reason for the error.

System action

The tracking transaction continues as if no XRF support had been requested via the RST for the connected DBCTL.

User response

In the event of a takeover it may be necessary to restart DBCTL manually. When the failure is detected during the initialization of the XRF/DBCTL tracking task the RST should be assembled and link-edited to resolve the problem.

Module: DFHDBCR

XMEOUT parameters/Message inserts

1. applid
2.
3. nn

Destination

Console

DFHDX8335 applid Unable to complete search for DBCTL alternate.

Explanation

The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has been unable to complete its search for a DBCTL alternate, possibly due to an unexpected return code from an IEFSSREQ request.

System action

The tracking transaction continues as if no DBCTL alternate had been found. An ADMD transaction dump will be produced.

User response

In the event of a takeover it may be necessary to restart DBCTL manually.

Module: DFHDBCR
**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

**DFHDX8336** applid Unable to provide DBCTL/XRF support for reason: X'nn'.

**Explanation**

The user exit XXDFB or XXDTO requested a restart of DBCTL. This request has been ignored for the reason indicated by the value of nn.

nn

Meaning

X'46'

No valid RST was found. Refer to DFHDX8334.

X'50'

DBCTL subsystem is an IMS DB/DC system.

X'51'

There is no alternate DBCTL to be restarted.

X'52'

The DBCTL subsystem is, or may be, under a different JES from the active CICS system.

X'53'

The active CICS system has already attempted a restart of DBCTL.

**System action**

The alternate CICS continues as if the user exit had indicated 'no action'.

**User response**

Check that the user exit is performing as intended and that the CICS and DBCTL systems have been set up with the correct options.

**Module:**

DFHDBCR

**XMEOUT parameters/Message inserts**

1. applid
2. X'nn'

**Destination**

Console

**DFHDX8337** applid Takeover request rejected by CAVM, reason code X'nn'.

**Explanation**

The user exit XXDFB requested a takeover as a result of a DBCTL failure, but the CAVM rejected the takeover request.

**System action**

The alternate CICS continues as if the user exit had indicated 'no action'.

**User response**

Check that the user exit is performing as intended and that the CICS and DBCTL systems have been set up with the correct options. The message indicates that a CICS internal error has occurred, normally as a result of an earlier problem. It may be necessary to initiate a manual CICS takeover.

**Module:**

DFHDBCR

**XMEOUT parameters/Message inserts**

1. applid
2. X'nn'

**Destination**

Console

**DFHDX8338** applid Unable to issue command command to subsysid for reason X'nn'.

**Explanation**

The user exit XXDFB/XXDTO issued a restart request to the DBCTL/XRF tracking task, the task was unable to process the request for the reason indicated in the message.

The issued command should either be a switch system backup command or an ERE command.

The reason code X'nn' should be one of the following.

nn

Meaning

X'09'

MVS GETMAIN failure
MVS ATTACH failure.

**System action**
The takeover continues.

**User response**
Restart the DBCTL subsystem manually.

**Module:**
DFHDBCRC

**XMEOUT parameters/Message inserts**
1. `applid`
2. `command`
3. `subsysid`
4. `X'nn'`

**Destination**
Console

DFHX8340 `applid` DBCTL tracking task started in an invalid environment reason `X'nn'`.

**Explanation**
The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has been started in an environment which does not support DBCTL/XRF.

Reason code `X'nn'` may be one of the following:

<table>
<thead>
<tr>
<th>nn</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'65'</td>
<td>XRF=NO specified in the SIT.</td>
</tr>
<tr>
<td>X'67'</td>
<td>CICS system is running as active.</td>
</tr>
<tr>
<td>X'69'</td>
<td>MVS GETMAIN failure.</td>
</tr>
</tbody>
</table>

**System action**
The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover.

**User response**
The user response depends on the reason code issued.

For reasons X'65' and X'67', there is a possible error in CICS code. In this case you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

For reason X'69', specify a smaller overall size limit for the EDSAs.

**Module:**
DFHDBCRC

**XMEOUT parameters/Message inserts**
1. `applid`
2. `X'nn'`

**Destination**
Console
DFHX8341I  applid Takeover request accepted.

**Explanation**
The DBCTL/XRF tracking task issued a takeover request due to a request from user exit XXDFB. The request has been accepted.

**System action**
The takeover continues.

**User response**
None. You can suppress this message with the system initialization parameter MSGLVL = 0.

**Module:**
DFHDBCR

**XMEOUT parameters/Message inserts**
1. applid

**Destination**
Console

---

DFHX8342I  applid Restart command issued successfully.

---

DFHECnnnn messages

DFHEC0001  applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

**Explanation**
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action**
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this component. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem. If you cannot run without the full use of
module modname you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHECEB, DFHECEC, DFHECEI, DFHECIN1, DFHECIS, DFHECRL, DFHECSE

**XMEOUT parameters/Message inserts**
1. applid
2. aaa/bbbb
3. X'offset'
4. modname

**Destination**
Console

DFHEC0002 applid A severe error (code X'code') has occurred in module modname.

**Explanation**
An error has been detected in module modname. The code X'code' is the exception trace point ID that uniquely identifies what the error is and where the error was detected.

**System action**
An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have suppressed dumps in the dump table.
CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS might be terminated by the caller. A message is issued to this effect.
Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
This message indicates a possible error in CICS code. The severity of the impact depends on the importance of the function being performed at the time of the error.
CICS might not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring down CICS at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring down CICS in a controlled manner.
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHECFD, DFHECEB, DFHECEC, DFHECEI, DFHECIN1, DFHECIS, DFHECRL, DFHECRP, DFHECSE, DFHECSC

**XMEOUT parameters/Message inserts**
1. applid
2. X'code'
3. modname

**Destination**
Console

DFHEC0004 applid A possible loop has been detected at offset X'offset' in module modname.

**Explanation**
A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

**System action**
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.
If this message is issued from DFHAPEX or DFHSUEX, and the exit point is XDUREQ, then a system dump is not taken in order to prevent recursive dumping.
Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.
Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.
Since some CICS functions can use a lot of processor time, this message may have been caused by a
long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the module modname will be terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHECIN1

**XMEOUT parameters/Message inserts**

1. applid
2. X'offset'
3. modname

**Destination**
Console

DFHEC1000 date time applid Invalid parameter list passed to EC component module modname.

**Explanation**
A call was made to module modname of the Event Capture (EC) component of the AP domain during the processing of a request but the parameter list was not valid. This is probably because of a storage overwrite or an internal error in the calling component.

**System action**
An exception trace is written by EC component, a system dump is taken, and the task in progress is abnormally terminated. Message DFHMEO116, which contains the symptom string for this problem, is produced.

**User response**
Use the dump to determine the fault in the calling component.

**Module:**
DFHECEB, DFHECEC, DFHECEI, DFHECIS, DFHECRL, DFHECSC, DFHECSE

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. modname

**Destination**
CECO

DFHEC1001 date time applid EVENTBINDING evbname from BUNDLE bundle installed successfully.

**Explanation**
An EVENTBINDING of name evbname from BUNDLE bundle has been successfully installed into this system.

**System action**
Processing continues.

**User response**
None required.

**Module:**
DFHECRL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. evbname
5. bundle

**Destination**
CECO

DFHEC1002 date time applid EVENTBINDING evbname from BUNDLE bundle discarded successfully.
Explanation
An EVENTBINDING of name `evbname` from BUNDLE `bundle` has been successfully discarded and removed from this system.

System action
Processing continues.

User response
None required.

Module:
DFHECRL

XMEOUT parameters/Message inserts
1. `date`
2. `time`
3. `applid`
4. `evbname`
5. `bundle`

Destination
CECO

DFHEC1003
`date time applid` The CICS event capture component failed to create the EVENTBINDING resource `evbname` in BUNDLE `bundle` because {the event binding name is invalid. | XML data in the event binding could not be parsed. | the eventDispatcher is missing or invalid. | the EPADAPTER create failed. | the eventBinding is invalid. | there are no capture specifications. | the EVENTBINDING is a duplicate in the BUNDLE.}

Explanation
An error has occurred creating EVENTBINDING `evbname` in BUNDLE `bundle`. Possible reasons include:

The event binding name is invalid
The acceptable 1-32 characters of an event binding name are A-Z a-z 0-9 and `. Leading and embedded blank characters are not permitted. The name must not begin with 0-9, _ or the characters xml (in any case).

XML data in the event binding could not be parsed
The preceding DFHPInnnn message gives further information about the cause of the problem.

The eventDispatcher is missing or invalid
The eventDispatcher section of the event binding cannot be located by the XML parser.

The EPADAPTER create failed
An unexpected exception was received from the CREATE_EPADAPTER function for the embedded EP adapter specification.

The eventBinding is invalid
The eventBinding section of the event binding XML contains invalid data.

There are no capture specifications
The event binding must include at least one capture specification.

The EVENTBINDING is a duplicate in the BUNDLE
An EVENTBINDING of the same name has already been installed from this BUNDLE.

System action
An exception entry is made in the trace table.
An exception response is returned to the caller of this domain and the event binding create is terminated.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
This is probably caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor, this might indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Validate the event binding against the event processing schema for the CICS system into which the bundle is being installed. Correct the event binding, discard the bundle, and reinstall it.

Module:
DFHECRL

XMEOUT parameters/Message inserts
1. `date`
2. `time`
3. `applid`
4. `evbname`
5. `bundle`
6. Value chosen from the following options:

1=the event binding name is invalid.,
2=XML data in the event binding could not be parsed.,
3=the eventDispatcher is missing or invalid.,
4=the EPADAPTER create failed.,
5=the eventBinding is invalid.,
6=there are no capture specifications.,
7=the EVENTBINDING is a duplicate in the BUNDLE.

**Destination**

CECO

**DFHEC1004**

| date time applid | Event processing found invalid data address X'address' while capturing data for CAPTURESPEC csname of EVENTBINDING evbname in capture data item description at offset offset with length length. |

**Explanation**

Event processing found invalid data address address while capturing data for CAPTURESPEC csname of EVENTBINDING evbname in capture data item description at offset offset with length length.

**System action**

Processing continues.

**User response**

Improve the capture specification to prevent this error and redeploy the event binding to CICS.

**Module:**

DFHECEC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. X'address'
5. csname
6. evbname
7. description
8. offset
9. length

**Destination**

CECO

**DFHEC1006I**

| applid | Event processing status is {STARTED | DRAINING | STOPPED}. |

**Explanation**

This message is issued when the event processing status is changed.
System action
Processing continues.

User response
The user can change the event processing status whenever required.

Module:
DFHECRP DFHECIS

XMEOUT parameters/Message inserts
1. applid
2. Value chosen from the following options:
   1=STARTED,
   2=DRAINING,
   3=STOPPED

Destination
Console

DFHEC1007 date time applid Event processing found invalid packed data X'data' while filtering events for CAPTURESPEC csname of EVENTBINDING evbname in filter item description at offset offset with length length.

Explanation
Event processing found invalid packed data data while filtering events for CAPTURESPEC csname of EVENTBINDING evbname in filter item description at offset offset with length length.

System action
Processing continues.

User response
Improve the capture specification to prevent this error and redeploy the event binding to CICS.

Module:
DFHECEC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'data'
5. csname
6. evbname
7. description
8. offset
9. length

Destination
CECO

DFHEC1008 date time applid Event processing found invalid zoned data X'data' while filtering events for CAPTURESPEC csname of EVENTBINDING evbname in filter item description at offset offset with length length.

Explanation
Event processing found invalid zoned data data while filtering events for CAPTURESPEC csname of EVENTBINDING evbname in filter item description at offset offset with length length.

System action
Processing continues.

User response
Improve the capture specification to prevent this error and redeploy the event binding to CICS.

Module:
DFHECEC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'data'
5. csname
6. evbname
7. description
8. offset
9. length

Destination
CECO
The CICS event capture component found an inconsistency in one or more values during install of EVENTBINDING evbname in BUNDLE bundle because the capture specification capspec { has an overlength formatPrecision in data item: } has an invalid formatlength in data item: }

dataItem.

Explanation
A potentially incompatible value was found during the install of event binding evbname in bundle bundle. One or more attributes may be specified incorrectly in data item dataItem in capture specification capspec. Possible reasons include:

Overlength formatPrecision
The formatPrecision value of a capture data item is too big for the format length and/or formatType of the item. For example, it may be too big for:

- the format length of a numeric item when sign, decimal point and leading digit are taken into account.
- the format length of a scientific item when signs for both mantissa and exponent are taken into account.
- the maximum precision of a scientific item. Hexadecimal floating point has a maximum precision of 6 for short (fullword) and 15 for long (doubleword) floating point.

Invalid formatlength
The format length of a capture data item is invalid for the capture data type. This message is issued when:

- the format length of HEX data doesn't allow space for a leading 0x
- the format length of HEX data isn't a multiple of 2.
- the format length of numeric data doesn't allow space for a sign.

Note: When formatted by the IBM supplied EP adapters, negative data is prefixed with a minus sign. When formatted into one of the XML formats by the IBM supplied EP adapters, positive data is not prefixed with a plus sign but positive data in the CFE or CCE formats is prefixed with a plus sign.

User response
Inconsistencies in the format definition of the event specification are tolerated to allow flexibility for custom EP adapters. If IBM supplied adapters are in use, format definition problems should be corrected before using the EVENTBINDING to capture events. Other problems may be caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor this may indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Correct the event binding, discard the bundle and reinstall it.

Module:
DFHECRL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. evbname
5. bundle
6. capspec
7. Value chosen from the following options:
   1= has an overlength formatPrecision in data item:
   2= has an invalid formatlength in data item:
8. dataItem

Destination
CECO
Explanation
An error has occurred creating event binding evbname in bundle bundle due to a problem with capture specification capspec. Possible reasons include:

Filter predicate could not be built
An unexpected exception was received from the BUILD_PREDICATE_LIST function.

Capture specification name is invalid
The acceptable 1-32 characters of a capture spec name are A-Z a-z 0-9 and _. Leading and embedded blank characters are not permitted. The name may not begin with 0-9, _ or the characters xml (in any case).

Capture specification is a duplicate
The event binding has another capture spec of the same name.

System action
An exception entry is made in the trace table.
An exception response is returned to the caller of this domain and the event binding create is terminated.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
This is probably caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor, this may indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Validate the event binding against the event processing schema for the CICS system into which the bundle is being installed. Correct the event binding, discard the bundle and reinstall it.

Module:
DFHECRL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. evbname
5. bundle
6. capspec
7. Value chosen from the following options:
   1= filter predicate could not be built,
   2= has an invalid name,
   3= is a duplicate.

Destination
CECO

DFHEC1012 date time applid The CICS event capture component failed to create the EVENTBINDING resource evbname in BUNDLE bundle because the capture specification capspec { has an invalid event name / exceeds the maximum number of data items / contains invalid capture data type, item number / has an invalid business information name / has an overlength formatPrecision in data item / has an invalid captureDataPrecision in data item / has an invalid captureLength in data item / has an invalid formatDataType in data item / has an invalid formatLength in data item / has an invalid captureDataPrecision in data item / has an invalid filter with an invalid filterOperator / has a filter with an invalid keyword / has a filter with an invalid filterValue / has an invalid context capture item / has an invalid capturePoint}: error_data.

Explanation
An error has occurred creating event binding evbname in bundle bundle due to a problem with capture specification capspec. Possible reasons include:

Event name is invalid
The acceptable 1-32 characters of an event name are A-Z a-z 0-9 and _. Leading and embedded blank characters are not permitted. The name may not begin with 0-9, _ or the characters xml (in any case).

Exceeds the maximum number of data items
The number of capture data items is bounded by the maximum size of the EPDE descriptor which must fit into a global catalog record.

Invalid capture data type
Capture data item number error_data is of an unknown or unsupported type.
Business information name is invalid
The acceptable 1-32 characters of a business information name are A-Z a-z 0-9 and _. Leading and embedded blank characters are not permitted. The name may not begin with 0-9, _ or the characters xml (in any case).

Invalid formatPrecision
The formatPrecision value of a capture data item is too large for the formatLength of the item when decimal point and leading digit are taken into account.

Invalid captureDataPrecision
The capture data precision exceeds the total number of digits captured.

Invalid captureLength
The capture data length is invalid for the capture data type. Numeric capture data types have the following restrictions:
- PACKED must be between 1-16 bytes
- ZONED must be between 1-32 bytes
- UHWORD must be 2 bytes
-UFWORD must be 4 bytes
- SHWORD must be 2 bytes
- SFWORD must be 4 bytes
- HEXFLOAT must be 4 or 8 bytes
- BINFLOAT must be 4 or 8 bytes
- DECFLOAT must be 4 or 8 bytes

Invalid formatdataType
The format data type is unsupported or invalid for the capture data type. For example, a format data type of scientific is only valid for one of the xxxFLOAT capture data types.

Invalid formatLength
The formatted data length is invalid for the format type. For example, a format type of scientific requires space for the mantissa, 'E' and the exponent: a minimum of 3 bytes. A format length must be specified for floating point capture data unless it has a format type of scientific.

Invalid captureDataType
The capture data type is unsupported.

Invalid filterOperator
The filter operator is invalid or unsupported for the filter keyword.

Invalid keyword
The filter keyword is invalid or unsupported for the capture point.

Invalid filterValue
The filter value is invalid for the filter keyword. For example this situation can occur when the filter keyword is a status field and the filter value given is not a valid status.

Invalid context capture item
The context capture item is invalid or unsupported for the capture point.

Invalid capture point
The capture point name is invalid or is not a supported system capture point.

System action
An exception entry is made in the trace table.
An exception response is returned to the caller of this domain and the event binding create is terminated.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
This is probably caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor, this message might indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Validate the event binding against the event processing schema for the CICS system into which the bundle is being installed. Correct the event binding, discard the bundle, and reinstall it.

Module:
DFHECRL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. evbname
5. bundle
6. capsSpec
7. Value chosen from the following options:
   1= has an invalid event name,
   2= exceeds the maximum number of data items,
Destination

CECO

DFHEC1013  date time applid The CICS event capture component failed to create the EVENTBINDING resource evbname in BUNDLE bundle because {the LOCALCCSID SIT parameter is not supported | the event binding schema level is not supported | the event binding USERTAG is invalid | the EP adapter name is invalid | of an invalid numeric filter value | the EP adapterset name is invalid | CICSEPSchemaVersion is invalid | CICSEPSchemaRelease is invalid}: error_data.

Explanation

An error has occurred creating event binding evbname in bundle bundle. Possible reasons include:

LOCALCCSID SIT parameter is not supported

Event processing uses the LOCALCCSID system initialization parameter as the default CCSID for code page conversion of character data. It must be a CICS supported single or multibyte EBCDIC CCSID.

Schema level is not supported

The CICSEPSchemaVersion and CICSEPSchemaRelease of the event binding error_data must not be higher than the schema level supported by this release of CICS. The schema level can be found using the INQUIRE EVENTPROCESS command.

USERTAG is invalid

The acceptable 1-8 characters of a userTag are A-Z a-z 0-9 and _. Leading and embedded blank characters are not permitted. The name must not begin with 0-9, _ or the characters xml (in any case).

EP adapter name is invalid

The eventAdapterName in the event binding XML is invalid. The adapter name has the same restrictions as the userTag mentioned previously.

Invalid numeric filter value

The value is invalid for a numeric filter predicate.

EP adapterset name is invalid

The eventAdapterSetName in the event binding XML is invalid. The adapterset name has the same restrictions as the userTag mentioned previously.

CICSEPSchemaVersion is invalid

The specified 1-2 character string must consist of numeric characters only, i.e. 0-9, and be in the range 1-99.

CICSEPSchemaRelease is invalid

The specified 1-2 character string must consist of numeric characters only, i.e. 0-9, and be in the range 0-99.

System action

An exception entry is made in the trace table.

An exception response is returned to the caller of this domain and the event binding create is terminated.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

This message is probably caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor, this message might indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Validate the event binding against the event processing schema for the CICS system into which the bundle is being installed.
Correct the event binding, discard the bundle, and reinstall it.

**Module:** DFHECRL

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `evbname`
5. `bundle`
6. Value chosen from the following options:
   1. the LOCALCCSID SIT parameter is not supported,
   2. the event binding schema level is not supported,
   3. the event binding USERTAG is invalid,
   4. the EP adapter name is invalid,
   5. of an invalid numeric filter value,
   6. the EP adapterset name is invalid,
   7. CICSEPSchemaVersion is invalid,
   8. CICSEPSchemaRelease is invalid
7. `error_data`

**Destination**

CECO

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `evbname`
5. `bundle`

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**DFHEC1016**

`date time applid` EVENTBINDING `evbname` from BUNDLE `bundle` installed successfully, replacing a previously installed version.

**Explanation**

An EVENTBINDING named `evbname` from BUNDLE `bundle` has been successfully installed. It replaced a previously installed EVENTBINDING of the same name.

**System action**

Processing continues.

**User response**

None required.

**Module:** DFHECRL

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**DFHEC1022**

`date time applid` Event emission failed for EVENTBINDING `evbname` because the EPADAPTER `adapterName` is unavailable.

**Explanation**

Event emission for EVENTBINDING `evbname` is not possible because the EPADAPTER `adapterName` is disabled or not installed.

Events are not emitted for this event binding until the EP adapter is installed and enabled.

**System action**

Processing continues.

If the EP adapter is disabled and the emission mode is synchronous, capturing events for this event binding causes capturing units of work to be backed out at the next sync point.

**User response**

Install and enable the EPADAPTER. If events are not required disable the EVENTBINDING.

**Module:** DFHECEC, DFHECSC

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**DFHEC1023**

`date time applid` EVENTBINDING `evbname` which defines one or more system events references

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**Explanation**

Transactional system events are not supported.

**System action**

Processing continues, but all system events defined by EVENTBINDING evbname are discarded. EPADAPTER epadapter.

**User response**

Either correct the definition of the EPADAPTER epadapter to remove the transactional option or move the system events in EVENTBINDING evbname to a new event binding which references an EPADAPTER which does not specify that events are transactional.

**Module:**
DFHECSC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. evbname
5. adapterName

**Destination**
CECO

**DFHEC1024**  
date time applid EVENTBINDING evbname which defines one or more system events references EPADAPTER adapterName which specifies synchronous event emission. Synchronous event emission is not supported for system events.

**Explanation**

Synchronous system events are not supported.

**System action**

Processing continues, but all system events defined by EVENTBINDING evbname are discarded.

**User response**

This message indicates a possible error in the CICS code. Event processing can be started again by issuing a SET EVENTPROCESS command. If the problem persists, you might need further assistance from IBM to fully resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHECSC

**XMEOUT parameters/Message inserts**

1. applid

**Destination**
Console

**DFHEC1027**  
date time applid Event emission failed for EVENTBINDING evbname because the
**EPADAPTERSET adaptersetName** is unavailable.

**Explanation**
Event emission for EVENTBINDING evbname is not possible because the EPADAPTERSET adaptersetName is disabled or not installed.

Events are not emitted for this event binding until the EP adapterset is installed and enabled.

**System action**
Processing continues.

**User response**
Install and enable the EPADAPTER. If events are not required disable the EVENTBINDING.

**Module:**
DFHECEC, DFHECSC

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. evbname
5. adaptersetName

**Destination**
CECO

| DFHEC1028 | date time applid EVENTBINDING evbname defines one or more system events for EPADAPTER adapterName which specifies synchronous event emission and is referenced by EPADAPTERSET adaptersetName. |

**Explanation**
Synchronous system events are not supported.

**System action**
Processing continues, but all system events defined by EVENTBINDING evbname for the EPADAPTER adapterName specified in the EPADAPTERSET adaptersetName are discarded.

**User response**
Either, correct the definition of the EPADAPTER adapterName to specify the asynchronous events or move the system events in EVENTBINDING evbname to a new event binding which references an EPADAPTERSET in which the EPADAPTERs specify asynchronous events.
Module: DFHECSC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. evbname
5. adapterName
6. adaptersetName

Destination
CECO

DFHEC1030  date time applid EVENTBINDING evbname defines one or more system events for EPADAPTER adapterName which specifies transactional events and is referenced by EPADAPTERSET adaptersetName.

Explanation
Transactional system events are not supported.

System action
Processing continues, but all system events defined by EVENTBINDING evbname for the EPADAPTER adapterName specified in the EPADAPTERSET adaptersetName are discarded.

User response
Either, correct the definition of the EPADAPTER adapterName to remove the transactional option or move the system events in EVENTBINDING evbname to a new event binding which references an EPADAPTERSET in which the EPADAPTERs do not specify events that are transactional.

Module: DFHECSC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. evbname
5. adapterName
6. adaptersetName

Destination
CECO

DFHEC1031  date time applid Event emission failed for EVENTBINDING evbname because one or more EPADAPTERs in the EPADAPTERSET adaptersetName are invalid.

Explanation
Event emission for EVENTBINDING evbname is not possible because of a problem with one or more EPADAPTERs specified in the EPADAPTERSET adaptersetName. CICS is unable to report the names of the invalid EPADAPTERs in messages DFHEC1028, DFHEC1029, or DFHEC1030 because of an internal failure.

System action
Processing continues.

User response
This is typically caused by a getmain failure. For more information about the invalid EPADAPTER names, refer to CICS trace.

Module: DFHECEC, DFHECSC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. evbname
5. adapterName
6. adaptersetName

Destination
CECO

DFHEC1032  date time applid Event emission for EVENTBINDING evbname has been successful after previous failure(s) to emit an event through {EPADAPTER | EPADAPTERSET} name.

Explanation
The EP adapter resource has been updated and the event that is defined in EVENTBINDING evbname has been successfully emitted. An error previously
reported by one or more of the following messages has been resolved: DFHEC1022, DFHEC1023, DFHEC1024, DFHEC1027, DFHEC1028, DFHEC1029, DFHEC1030, DFHEC1031.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHECEC, DFHECSC

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `evbname`
5. Value chosen from the following options:
   - 1=EPADAPTER,
   - 2=EPADAPTERSET
6. `name`

**Destination**
CECO

**DFHEC2100** `applid` Program DFHECRP cannot be found.

**Explanation**
CICS cannot link to the Event Capture restart program (DFHECRP).
CICS cannot find DFHECRP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

**System action**
CICS initialization terminates with message DFHSI1521 and a dump is taken.

**User response**
To correct this error, place DFHECRP in a partitioned data set in the DFHRPL DD statement.

**Module:**
DFHECEI

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `X'code'`
5. `cs_name`
6. `evb_name`

Destination
CECO

DFHEC3101  
`date` `time` `applid` Invalid or unsupported codepage (`codepage`) found in capture specification `cs_name` in event binding `evb_name`.

Explanation
There was a problem converting the specified codepage into a CICS CCSID (Coded Character Set ID). CICS does not support the codepage specified, or it is an invalid name.

System action
An exception entry is made in the trace table. The event binding is not installed.

An exception response is returned to the caller of this domain and the event binding create is terminated.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Check the codepage specified in the event binding for the capture data. Check the codepage is listed as supported in the CICS documentation, and that it has been entered correctly. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Correct the event binding and reinstall it.

Module: DFHECEI

XMEOUT parameters/Message inserts

1. `date`
2. `time`
3. `applid`
4. `codepage`
5. `cs_name`
6. `evb_name`

Destination
CECO

DFHEC3102  
`date` `time` `applid` Invalid API Command (`command`) specified in capture specification `cs_name` in event binding `evb_name`.

Explanation
An invalid API command was specified in the event binding XML configuration file, and therefore the binding could not be installed into CICS.

System action
Installation of the event binding will be rejected.

An exception response is returned to the caller of this domain and the event binding create is terminated.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
This is probably caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor, this may indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Correct the event binding and reinstall it.

Module: DFHECEI

XMEOUT parameters/Message inserts

1. `date`
2. `time`
3. `applid`
4. `command`
5. `cs_name`
6. `evb_name`

Destination
CECO

DFHEC3103  
`date` `time` `applid` Invalid comparison operator (`code`) specified in capture specification `cs_name` in event binding `evb_name`.

Explanation
An invalid operator was specified in the event binding XML configuration file. The operator is used when comparing the provided filter data with the API parameter at runtime, and it is not of the expected type for that parameter. Valid operators include:

- EQ Equality
System action

An exception entry (code X'code' in the message) is made in the trace table.

An exception response is returned to the caller of this domain and the event binding create is terminated.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

This is probably caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor, this may indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Correct the event binding and reinstall it.

Module: DFHECEI

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. code
5. cs_name
6. evb_name

Destination

CECO

DFHEC3104 date time applid {PRE_API | POST_API} event point command in capture specification cs_name in event binding evb_name is not supported.

Explanation

The command specified in capture spec cs_name of event binding evb_name is not event enabled, or not event enabled as either a pre or post API command. This means that CICS cannot perform filtering for it at the location requested. Not all CICS API calls are exposed for business event filtering, and those that are may not be exposed for filtering both before and after execution of the API call.

System action

An exception entry is made in the trace table. The event binding is not created.

An exception response is returned to the caller of this function and the event binding create is terminated.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

This is probably caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor, this may indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Correct the event binding, discard and reinstall the bundle containing it.

Module: DFHECEI

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. Value chosen from the following options:
   1=PRE_API,
   2=POST_API
5. command
6. cs_name
7. evb_name

Destination

CECO

DFHEC3105 date time applid Invalid data type(datatype) was specified in capture specification cs_name in event binding evb_name.

Explanation

An invalid data type was specified in the event binding XML configuration file. The data type is used when comparing the provided filter data with the API parameter at runtime, and it is not of the expected type for that parameter. Valid data types include:
System action

An exception entry is made in the trace table. The event binding is not installed.

An exception response is returned to the caller of this domain and the event binding create is terminated.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

This is probably caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor, this may indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Correct the event binding and reinstall it.

The message can be suppressed with the system initialization parameter MSGLVL=0.

Module:
DFHECEI

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. datatype
5. cs_name
6. evb_name

Destination
CECO

Explanation
An invalid source was specified for the captured data in the event binding. The sources from which data can be captured if the filter predicates match are listed in the event binding schema.

System action

An exception entry is made in the trace table. The event binding is not installed.

An exception response is returned to the caller of this domain and the event binding create is terminated.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

This is probably caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor, this may indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Correct the event binding and reinstall it.

The message can be suppressed with the system initialization parameter MSGLVL=0.

Module:
DFHECEI

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. source
5. cs_name
6. evb_name

Destination
CECO

Explanation
The EIBAID filter in the event binding has an invalid mask value specified. Valid values include: DFHENTER,
DFHCLEAR, DFHPF1, DFHPF2, DFHPF3, DFHPF4, DFHPF5, DFHPF6, DFHPF7, DFHPF8, DFHPF9, DFHPF10, DFHPF11, DFHPF12, DFHPF13, DFHPF14, DFHPF15, DFHPF16, DFHPF17, DFHPF18, DFHPF19, DFHPF20, DFHPF21, DFHPF22, DFHPF23, DFHPF24, DFHPA1, DFHPA2, DFHPA3, DFHOPID, DFHMSRE, DFHTRIG, DFHPEN, DFHCLRP, DFHSTRF.

**System action**
An exception entry is made in the trace table. The event binding is not installed.
An exception response is returned to the caller of this domain and the event binding create is terminated.
Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
This is probably caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor, this may indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Correct the event binding and reinstall it.

**Module:** DFHECEI

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. aiddata
5. cs_name
6. evb_name

**Destination**
CECO

**Explaination**
A keyword was specified on the capture specification that could not be found as a parameter for the specified command type.

**System action**
An exception entry (code X'code' in the message) is made in the trace table.
An exception response is returned to the caller of this domain and the event binding create is terminated.
Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
This is probably caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor, this may indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Correct the event binding and reinstall it.

**Module:** DFHECEI

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. keyword
5. cs_name
6. evb_name

**Destination**
CECO

**Explaination**
One of the filters in the capture specification has a length of zero specified. This is invalid for all filters other than 'exists' or 'not exists'.

**System action**
The event binding install will be rejected.
An exception response is returned to the caller of this domain and the event binding create is terminated.
Message DFHME0116, which contains the symptom string for this problem, is produced.
User response
This is probably caused by an error or inconsistency in the event binding XML. If the event binding was built by the CICS event binding editor, this may indicate an error in CICS code. Inspect the CICS trace and EC domain message log for any related trace entries or messages. Correct the event binding and reinstall it.

Module:
DFHECEI

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. cs_name
5. evb_name

Destination
CECO

DFHEC3111 date time applid The decimal floating point facility (DFP) is not installed, but is required for capture specification cs_name in event binding evb_name.

Explanation
Capture specification csname of event binding evbname specifies the use of decimal floating point (DFP) numbers, but the decimal floating point facility is not installed.

System action
The event binding install will be rejected. An exception response is returned to the caller of this domain and the event binding create is terminated.

User response
Use of decimal floating point in event processing requires installation of the decimal floating point facility, which is an optional hardware feature.

If decimal floating point is required then install the decimal floating point facility and reinstall the event binding.

If decimal floating point is not required then change your programs and event binding to use a different data type and reinstall the event binding.

Module:
DFHECEI

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. cs_name
5. evb_name

Chapter 2. CICS messages 709
The Event Processing Transaction Start adapter received a CICS EIB RESP of resp with RESP2 of resp2 from the START TRANSID command used to emit an event for event binding evbname to transaction tranid.

The event is not emitted. An exception trace entry is made. The EP adapter program terminates abnormally with abend code AECO. If emission mode is synchronous, the capturing transaction terminates abnormally with abend code ASP7 at the next sync point.

This is likely to be due to a problem in the CICS environment at the time the transaction was running. Use the RESP and RESP2 values to determine the cause of the error.

Verify that:

- the transaction specified for this event is defined to CICS and enabled
- the sysid, if specified, is valid and a connection to the target system is defined and available
- the userid, if specified, is valid, not revoked and security is active

Module: DFHECEAS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. tranid
6. evbname
7. resp
8. resp2

Module: DFHECEAS
Explanation
The Event Processing TSQ adapter received a CICS EIB RESP of \textit{resp} with RESP2 of \textit{resp2} from the WRITEQ TS command used to emit an event for event binding \textit{evbname} to TSQueue \textit{queue name}.

System action
The event is not emitted. An exception trace entry is made. The transaction is abnormally terminated.

User response
This is likely to be due to a problem in the CICS environment at the time the transaction was running. Check the WRITEQ TS condition in the CICS documentation and examine the trace to determine why the command failed.

Module:
DFHECEAT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. queue name
6. evbname
7. resp
8. resp2

Destination
CECO

DFHEC4010 \textit{date time applid tranid} TSQ EP Adapter failed to emit an event to queue \textit{queue name} for event binding \textit{evbname} because the queue is defined as recoverable.

Explanation
The TSQ EP adapter was unable to emit an event for event binding \textit{evbname} because TS queue \textit{queue name} is not defined as recoverable. Synchronous transactional events require a recoverable TS queue. A TS queue will be recoverable if there is a matching TSMODEL specifying RECOVERY(YES).

System action
The event is not emitted. An exception trace entry is made. The transaction is abnormally terminated.

Module:
DFHECEAT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. queue name
6. evbname

Destination
CECO

DFHEC4009 \textit{date time applid tranid} TSQ EP Adapter failed to emit an event to queue \textit{queue name} for event binding \textit{evbname} because the queue is not defined as recoverable.

Explanation
The TSQ EP adapter was unable to emit an event for event binding \textit{evbname} because TS queue \textit{queue name} is defined incorrectly. It is recoverable when it is required to be non-recoverable. Synchronous non-transactional events require a non-recoverable TS queue. A TS queue will be recoverable if there is a matching TSMODEL specifying RECOVERY(YES) or a matching TST TYPE=RECOVERY entry.

System action
The event is not emitted. An exception trace entry is made. The transaction is abnormally terminated.
User response

Correct or delete the TSMODEL resource definition, delete any pre-existing TS queue of the same name and rerun the capturing transaction.

Module: DFHECEAT

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. queue_name
6. evbname
7. comp_code

Destination

CECO

DFHEC4113 date time applid tranid WebSphere MQ EP adapter failed to emit an event to queue queue_name for event binding evbname. WebSphere MQ function MQPUT1 returned with completion code comp_code.

Explanation

A WebSphere MQ function call issued from the Event Processing WebSphere MQ event adapter was unsuccessful and has set a non-zero return code.

System action

The event is not emitted. An exception trace entry is made. The EP adapter program terminates abnormally with abend code AECC. If emission mode is synchronous, the capturing transaction terminates abnormally with abend code ASP7 at the next sync point.

User response

This is likely to be caused by an error in the event definition or EP adapter configuration. Check the WebSphere MQ reason code in the IBM MQ messages manual, and examine the trace to determine why the WebSphere MQ function call failed. You might need help from IBM to resolve this problem.

Module: DFHECEAM

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. queue_name
### DFHEC4117

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. date</td>
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<td>3. applid</td>
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</tr>
<tr>
<td>4. tranid</td>
<td></td>
</tr>
<tr>
<td>5. csname</td>
<td></td>
</tr>
<tr>
<td>6. evbname</td>
<td></td>
</tr>
<tr>
<td>7. queueName</td>
<td></td>
</tr>
<tr>
<td>8. buffer_length</td>
<td></td>
</tr>
</tbody>
</table>

**Explanation**

The size of the event to be emitted exceeds the maximum message length supported.

**System action**

The EP adapter program terminates abnormally with abend code AECC. If emission mode is synchronous, the capturing transaction terminates abnormally with abend code ASP7 at the next sync point.

**User response**

Ensure that the length of the event to be emitted is less than the maximum size allowed for Temporary Storage queues, 32763 bytes.

**Module:** DFHECEAT

### XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. csname
6. evbname
7. queueName
8. buffer_length

### DFHEC4118

<table>
<thead>
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<tbody>
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<td>4. tranid</td>
<td></td>
</tr>
<tr>
<td>5. csname</td>
<td></td>
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<tr>
<td>6. evbname</td>
<td></td>
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<tr>
<td>7. queueName</td>
<td></td>
</tr>
<tr>
<td>8. buffer_length</td>
<td></td>
</tr>
</tbody>
</table>

**Explanation**

The size of the event to be emitted exceeds the maximum message length supported for Temporary Storage queues.

**System action**

The event is truncated and processing continues normally.

**User response**

Ensure that the length of the event to be emitted is less than the maximum size allowed for Temporary Storage queues, 32763 bytes.

**Module:** DFHECEAT

### XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. csname
6. evbname
7. queueName
8. buffer_length

### DFHEC4119

<table>
<thead>
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<td>1. date</td>
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<td></td>
</tr>
<tr>
<td>4. tranid</td>
<td></td>
</tr>
<tr>
<td>5. csname</td>
<td></td>
</tr>
<tr>
<td>6. evbname</td>
<td></td>
</tr>
<tr>
<td>7. queueName</td>
<td></td>
</tr>
<tr>
<td>8. buffer_length</td>
<td></td>
</tr>
</tbody>
</table>

**Explanation**

The Event Processing TSQ adapter received a CICS EIB RESP of resp with RESP2 of resp2 from the WRITEQ TS command used to emit an event for event binding evbname to TSQueue queueName.
System action

The event is not emitted. An exception trace entry is made. The EP adapter program terminates abnormally with abend code AECC. If emission mode is synchronous, the capturing transaction terminates abnormally with abend code ASP7 at the next sync point.

User response

This is likely to be due to an error in the event definition or EP adapter configuration. Check the WRITEQ TS condition in the CICS documentation and examine the trace to determine why the command failed.

Module: DFHECEAT

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. queue
6. evname
7. resp
8. resp2

Destination

CECO

DFHEC4120 date time applid tranid The HTTP EP Adapter failed to emit event for capture specification csname in event binding evname using URIMAP urimap_name. function returned with RESP=resp RESP2=resp2.

Explanation

A WEB command call issued from the HTTP EP adapter was unsuccessful and has set a non-zero return code.

System action

The event is not emitted. An exception trace entry is made. The EP adapter program terminates abnormally with abend code AECC. If emission mode is synchronous, the capturing transaction terminates abnormally with abend code ASP7 at the next sync point.

User response

This is likely to be due to a problem in the CICS environment or the targeted HTTP server at the time the transaction was running. Check the WEB command’s RESP and RESP2 values in the CICS API commands section of the CICS Application development reference and examine the trace to determine why the WEB command call failed.

If the command is WEB CONVERSE and the RESP is TIMEDOUT the connection has timed out. Either the target server is not responding or has taken longer than the RTIMOUT value on the PROFILE used by the tranid specified in the message.

You might need help from IBM to resolve this problem.

Module: DFHECEAH

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. csname
6. evname
7. urimap_name
8. function
9. resp
10. resp2

Destination

CECO

DFHEC4121 date time applid tranid The HTTP EP Adapter failed to emit an event for capture specification csname in event binding evname using URIMAP urimap_name. Server responded with HTTP status code http_status_code.

Explanation

The HTTP EP adapter received HTTP error code http_status_code from the HTTP server targeted by URIMAP urimap_name in response to an HTTP POST request.

System action

The event is not emitted. An exception trace entry is made. The EP adapter program terminates
abnormally with abend code AECO. If emission mode is synchronous, the capturing transaction terminates abnormally with abend code ASP7 at the next sync point.

User response
This is likely to be due to a problem in the CICS environment or the HTTP server at the time the transaction was running. Examine the CICS trace and diagnostics from the HTTP server to determine why the HTTP POST failed.

Module:
DFHECEAH

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. csname
6. evbname
7. urimap_name
8. http_status_code

Destination
CECO

DFHEC4122 date time applid tranid The HTTP EP Adapter failed to emit event for capture specification csname in event binding evbname using URIMAP urimap_name. function returned with RESP=resp RESP2=resp2.

Explanation
A WEB command call issued from the HTTP EP adapter was unsuccessful and has set a non-zero return code.

System action
The event is not emitted. An exception trace entry is made. The EP adapter program terminates abnormally with abend code AECC. If emission mode is synchronous, the capturing transaction terminates abnormally with abend code ASP7 at the next sync point.

User response
This is likely to be due to a problem in the EP adapter section of the event binding or in the URIMAP. Check the WEB command’s RESP and RESP2 values in the CICS API commands section of the CICS Application development reference and examine the trace to determine why the WEB command call failed.

Module:
DFHECEAH

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. csname
6. evbname
7. urimap_name
8. function
9. resp
10. resp2

Destination
CECO

DFHEC4123 date time applid tranid The HTTP EP Adapter failed to emit an event for capture specification csname in event binding evbname using URIMAP urimap_name. Server responded with HTTP status code http_status_code.

Explanation
The HTTP EP adapter received HTTP error code http_status_code from the HTTP server targeted by URIMAP urimap_name in response to an HTTP POST request.

System action
The event is not emitted. An exception trace entry is made. The EP adapter program terminates abnormally with abend code AECC. If emission mode is synchronous, the capturing transaction terminates abnormally with abend code ASP7 at the next sync point.
**User response**

This is likely to be due to a configuration error in the EP adapter section of the event binding or in the URIMAP. Examine the CICS trace and diagnostics from the HTTP server to determine why the HTTP POST failed.

**Module:** DFHECEAH

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. csname
6. evbname
7. urimap_name
8. http_status_code

**Destination**

CECO

**Explanation**

The Event Processing Transient Data (TDQ) adapter received a CICS EIB RESP of resp with RESP2 of resp2 from the WRITEQ TD command used to emit an event for event binding evbname to TDQUEUE queue name.

**System action**

The event is not emitted. An exception trace entry is made. The transaction is abnormally terminated with abend code AECC.

**User response**

Correct and re-install the TDQUEUE resource definition for the queue, and rerun the capturing transaction.

**Module:** DFHECEAQ

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. queue name

**Destination**

CECO

**Explanation**

The Transient data (TDQ) EP adapter was unable to emit an event for event binding evbname because TDQUEUE queue name is not defined as recoverable. Synchronous transactional events require a recoverable TDQUEUE. A TDQUEUE is recoverable if its defined as TYPE(INTRA) with RECOVSTATUS(LOGICAL) or RECOVSTATUS(PHYSICAL).

**System action**

The event is not emitted. An exception trace entry is made. The transaction is abnormally terminated with abend code AECC.

**User response**

This is likely to be due to a problem in the CICS environment at the time the transaction was running. Check the WRITEQ TD condition in the CICS documentation and examine the trace to determine why the command failed.

**Module:** DFHECEAQ

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. queue name
6. evbname

Destination
CECO

DFHEC4132  date time applid tranid The TDQ EP Adapter failed to emit an event to TDQUEUE queue name for event binding evbname because the queue is defined as recoverable.

Explanation
The Transient Data (TDQ) EP adapter was unable to emit an event for event binding evbname because TDQUEUE queue name is defined incorrectly. It is recoverable when it is required to be non-recoverable. Synchronous non-transactional events require a non-recoverable TD queue. A TDQUEUE is recoverable if its defined as TYPE(INTRA) with RECOVSTATUS(LOGICAL) or RECOVSTATUS(PHYSICAL).

System action
The event is not emitted. An exception trace entry is made. The EP adapter program terminates abnormally with abend code AECC. If emission mode is synchronous, the capturing transaction terminates abnormally with abend code ASP7 at the next sync point.

User response
This is likely to be due to an error in the event definition or EP adapter configuration. Check the WRITEQ TD condition in the CICS documentation and examine the trace to determine why the command failed.

Module: DFHECEAQ

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. queue name
6. evbname
7. resp
8. resp2

Destination
CECO

DFHEC4134  date time applid tranid The TDQ EP Adapter failed to emit an event to TDQUEUE queue name for event binding evbname because the queue is not defined for output.

Explanation
The Transient Data (TDQ) EP adapter was unable to emit an event for event binding evbname because the extrapartition TDQUEUE queue name is not associated with a dataset which is defined for output, i.e. TYPEFILE(OUTPUT).
System action
The event is not emitted. The EP adapter program terminates abnormally with abend code AECC.

User response
Correct and re-install the TDQUEUE resource definition, and rerun the capturing transaction.

Module:
DFHECEAQ

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. queuename
6. evbname

Destination
CECO

DFHEC4135  date time applid tranid The TDQ EP Adapter failed to emit an event to TDQUEUE queuename for event binding evbname because the queue is not defined.

Explanation
The Transient Data (TDQ) EP adapter was unable to emit an event for event binding evbname because the TDQUEUE queuename is not defined.

System action
The event is not emitted. The EP adapter program terminates abnormally with abend code AECC.

User response
Install the required TDQUEUE resource definition, and rerun the capturing transaction.

Module:
DFHECEAQ

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. queuename
6. evbname

Destination
CECO

DFHEJnnnn messages

DFHEJ0001  applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.
Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module `modname` is not crucial to the running of your CICS system, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If you cannot continue without the full use of module `modname` you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHEJ**

**XMEOUT parameters/Message inserts**

1. `applid`
2. `aaa/bbbb`
3. `X'offset'`
4. `modname`

**Destination**
Console

**DFHEJ0002**
`applid A severe error (code X'code') has occurred in module modname.`

**Explanation**

An error has been detected in module `modname`. The code `X'code'` is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

**System action**

An exception entry (code `X'code'` in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module `modname` is not crucial to the running of your CICS system, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot continue without the full use of module `modname`, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHEJ**

**XMEOUT parameters/Message inserts**

1. `applid`
2. `X'code'`
3. `modname`

**Destination**
Console

**DFHEJ0004**
`applid A possible loop has been detected at offset X'offset' in module modname.`

**Explanation**

A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module `modname` at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.
User response

Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function, so there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently, but you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHEJ**

XMEOUT parameters/Message inserts

1. applid
2. X'offset'
3. modname

Destination

Console

DFHEJ00103 applid Enterprise Java domain initialization has failed.

Explanation

The Enterprise Java (EJ) domain did not correctly initialize.

System action

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMODM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and the domain is not crucial to the running of your CICS system, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot continue without the full use of Enterprise Java domain, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHEJD

XMEOUT parameters/Message inserts

1. applid

Destination

Console

DFHEJ0501A applid The file definition for DFHEJDIR does not specify RECOVERY(BACKOUTONLY). File open request failed.

Explanation

A request has been made to open file DFHEJDIR. The request has failed because the RDO file definition for this file does not specify RECOVERY(BACKOUTONLY).

System action

File DFHEJDIR remains closed.

User response

Change the RDO file definition for DFHEJDIR to RECOVERY(BACKOUTONLY). Reinstall the file and the CorbaServer.
XMEOUT parameters/Message inserts

1. applid

Destination

Console

DFHEJ0601 W  DATE TIME APPLID  JRAS_informational_message

Explanation

An informational message has been issued by a Java class running in a CICS JVM that has not been recognized as a CICS message. The insert JRAS_informational_message contains the message that was issued.

System action

Processing continues.

User response

An exception trace giving the name of the class and method issuing the message along with the message text will be made.

If the message is issued by an IBM supplied class then you may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module:

com.ibm.cics.ras.CICSMessageService

XMEOUT parameters/Message inserts

1. DATE
2. TIME
3. APPLID
4. JRAS_informational_message

Destination

CJRM

DFHEJ0602 W  DATE TIME APPLID  JRAS_warning_message

Explanation

A warning message has been issued by a Java class running in a CICS JVM that has not been recognized as a CICS message. The insert JRAS_warning_message contains the message that was issued.

System action

Processing continues.

User response

An exception trace giving the name of the class and method issuing the message along with the message text will be made.

If the message is issued by an IBM supplied class then you may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module:

com.ibm.cics.ras.CICSMessageService

XMEOUT parameters/Message inserts

1. DATE
2. TIME
3. APPLID
4. JRAS_warning_message

Destination

CJRM

DFHEJ0604 E  DATE TIME APPLID  JRAS_error_message

Explanation

An error message has been issued by a Java class running in a CICS JVM that has not been recognized as a CICS message. The insert JRAS_error_message contains the message that was issued.

System action

Processing continues.

User response

An exception trace giving the name of the class and method issuing the message along with the message text will be made.

If the message is issued by an IBM supplied class then you may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module:

com.ibm.cics.ras.CICSMessageService

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XMEOUT parameters/Message inserts

1. DATE
2. TIME
3. APPLID
4. JRAS_error_message

Destination
CJRM

DFHEJ0701 I date time applid userid CorbaServer CorbaServer_name has been created.

Explanation
The CorbaServer has been added to the Enterprise Java domain by placing it in the chain of CorbaServer Control Blocks. However, until the CorbaServer is resolved, it is not available for use.

System action
Processing continues. The CorbaServer will be resolved at a later stage.

User response
None.

Module:
DFHEJCG

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. CorbaServer_name

Destination
CEJL

DFHEJ0702 E date time applid userid CorbaServer CorbaServer_name has not been created.

Explanation
The CorbaServer CorbaServer_name was not added to the Enterprise Java domain. This error is most likely caused by an attempt to add a duplicate CorbaServer.

System action
Processing continues.

User response
Examine the exception trace entry that shows the cause of the error.

Module:
DFHEJCG

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. CorbaServer_name

Destination
CEJL

DFHEJ0706 E date time applid userid The EJ Resolution Transaction transaction_name did not attach.

Explanation
After the CorbaServer has been created, it undergoes the Resolution process in a separate transaction. However, this transaction was not successfully attached. Another attachment of the Resolution Transaction will occur (if this failure does not re-occur) when the next CorbaServer is created, and hence this failure may be thereby corrected.

System action
Processing continues.

User response
Examine the exception trace entry that shows the cause of the attachment error.

Module:
DFHEJCG

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. transaction_name
Explanation
A CorbaServer Control Block has been deleted and removed from the chain of CorbaServers held within the EJ domain. Consequently, the CorbaServer is no longer available for use.

System action
Processing continues.

User response
None.

Module:
DFHEJCG

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. CorbaServer_name

Explanation
Resolution for CorbaServer CorbaServer_name has failed. The Resolution process was attempting to create the Shelf for this CorbaServer.

System action
The CorbaServer is placed into the DISABLED state and cannot be used.

User response
Check that the CorbaServer's shelf directory does exist and that the CICS region id has permission to read and write to that directory. If the problem persists you may need to use the trace facility to determine the cause of the problem.

CorbaServer CorbaServer_name must be reenabled before processing can continue.

Module:
DFHEJCG

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. CorbaServer_name

Explanation
A failure occurred updating the Global Catalog for CorbaServer CorbaServer_name.

System action
The state is not updated in the Global Catalog for the CorbaServer.

User response
Discard and reinstall the CorbaServer. If the problem persists you may need to use the trace facility to determine the cause of the problem.

Module:
DFHEJCG

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. CorbaServer_name

Explanation
Resolution for CorbaServer CorbaServer_name has failed Resolution during Shelf creation.

System action
The CorbaServer is placed into the DISABLED state and cannot be used.

User response
Check that the CorbaServer's shelf directory does exist and that the CICS region id has permission to read and write to that directory. If the problem persists you may need to use the trace facility to determine the cause of the problem.

CorbaServer CorbaServer_name must be reenabled before processing can continue.

Module:
DFHEJCG

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. CorbaServer_name
Catalog Resolution processing for CorbaServer CorbaServer_name returned bad data.

Explanation
An update to the Global Catalog for CorbaServer CorbaServer_name, to record that Resolution has occurred failed when the read for update operation returned invalid data.

System action
The state is not updated in the Global Catalog for the CorbaServer.

User response
The CorbaServer resource should be discarded and reinstalled. If the problem persists you may have to use the trace facility to determine the cause of the problem.

Module: DFHEJCG

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. CorbaServer_name

Destination
CEJL

Catalog Resolution processing for CorbaServer CorbaServer_name returned an invalid CorbaServer.

Explanation
An update of the Global Catalog for CORBASERVER CorbaServer_name, to record that Resolution has occurred, failed when the read for update operation returned an invalid CORBASERVER.

System action
The state is not updated in the Global Catalog for the CorbaServer.

User response
The CORBASERVER resource should be discarded and reinstalled. If the problem persists you may have to use the trace facility to determine the cause of the problem.

Module: DFHEJCG

Destination
CEJL

State updating failed while creating the shelf during Resolution processing for CorbaServer CorbaServer_name.

Explanation
An update to the state of CorbaServer CorbaServer_name to record the status of the Resolution process has failed. The Resolution process was attempting to create the Shelf for this CorbaServer.

System action
Processing continues with CorbaServer CorbaServer in an incorrect state.

User response
Ensure that the region id under which CICS is running has write permission to the area of the zFS directory structure in which the shelf directory should be created. Also check that there is sufficient free space for the directory to be created.

The CorbaServer should be discarded and reinstalled. If the problem persists you may need to use the trace facility to determine the cause of the problem.

Module: DFHEJCG
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. CorbaServer_name

Destination

CEJL

DFHEJ0736 E date time applid userid Resolution for CorbaServer CorbaServer_name (related to Object Store operations on file file_name as store store_name) failed.

Explanation

The Resolution of CorbaServer CorbaServer_name involved with the Object Store file file_name has failed.

System action

The CorbaServer is put into the DISABLED state.

User response

The most likely problem is that the file definition for VSAM file file_name has not been installed or is incorrectly defined. Verify that the both the file and the file definition have been created with appropriate attributes. Check that the resource definition for the file has been installed. Sample definitions for files DFHEJDIR and DFHEJOS are available in groups DFHEJVS, DFHEJCF and DFHEJVR.

Discard and reinstall the resource. If the problem persists you may need to use the trace service to find the failing object store operation.

Module:
DFHEJCG

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. CorbaServer_name
6. file_name
7. store_name

Destination

CEJL

DFHEJ0739 E date time applid userid State updating failed while opening the Object Store during Resolution processing for CorbaServer CorbaServer_name.

Explanation

An update of CorbaServer CorbaServer_name's state to record the status of the Resolution process has failed. The Resolution process failed opening an Object Store file.

System action

Processing continues with the CorbaServer in an incorrect state.

User response

The CorbaServer should be discarded and reinstalled. If the problem persists you may need to use the trace facility to determine the cause of the problem.

Module:
DFHEJCG

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. CorbaServer_name

Destination

CEJL

DFHEJ0745 E date time applid userid Error found during install of CorbaServer CorbaServer_name because TCPIPSERVICE tcpipservice is not installed.

Explanation

CORBASERVER CorbaServer_name was being installed but the TCPIPSERVICE tcpipservice named is not installed.
System action
The CORBASERVER is not installed. Processing continues.

User response
Examine the CORBASERVER definition to check that the correct TCPIPSERVICE has been named and then delete the CORBASERVER, install the TCPIPSERVICE first and then retry the install of the CORBASERVER.

The TCPIPSERVICE needs to be installed in the listener region AND where the CORBASERVER is installed (AOR) if they are separate regions. If the CORBASERVER is in a separate region, the listener needs to have IIOPLISTENER=(YES) specified in the System Initialization Table (SIT) and the AOR needs to have IIOPLISTENER=(NO) specified.

Module:
DFHEJCG

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. CorbaServer_name
6. tcpipservice

Destination
CEJL

DFHEJ0746 E date time applid userid Error found during install of CorbaServer CorbaServer_name because TCPIPSERVICE tcpipservice named in the CorbaServer does not have a matching AUTHENTICATE parameter.

Explanation
CorbaServer CorbaServer_name was being installed but the TCPIPSERVICE TCPIPSERVICE named does not have the same authenticate value as the TCPIPSERVICE.

System action
The CorbaServer is installed but becomes unusable. Processing continues.

User response
Examine the CORBASERVER definition to check that the correct TCPIPSERVICE has been named and then correct the authenticate parameter in the TCPIPSERVICE. Delete the CorbaServer then reinstall the TCPIPSERVICE and the CorbaServer.

Module:
DFHEJCG

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. CorbaServer_name
6. tcpipservice

Destination
CEJL

DFHEJ0747 E date time applid userid Error found during install of CorbaServer CorbaServer_name because TCPIPSERVICE tcpipservice named in the CorbaServer for SSLUNAUTH has SSL(NO) set. SSL(YES|CLIENTAUTH) should be set.

Explanation
CorbaServer CorbaServer_name was being installed but the TCPIPSERVICE TCPIPSERVICE named for SSLUNAUTH has an SSL setting of NO. The TCPIPSERVICE named must have an SSL value of YES or CLIENTAUTH.

System action
The CorbaServer becomes unusable. Processing continues.

User response
Examine the CORBASERVER definition to check that the correct TCPIPSERVICE has been named and then change the SSL parameter in the TCPIPSERVICE to YES or CLIENTAUTH. Delete the CorbaServer then reinstall the TCPIPSERVICE and the CorbaServer.

Module:
DFHEJCG
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. CorbaServer_name
6. tcpipservice

**Destination**

CEJL

**Explanation**

*DFHEJ0748 E* *date time applid userid* Error found during install of CorbaServer CorbaServer_name because TCPIPSERVICE tcpipservice named in the CorbaServer for UNAUTH has SSL(YES|CLIENTAUTH) set. SSL(NO) should be set.

CorbaServer CorbaServer_name was being installed but the TCPIPSERVICE TCPIPSERVICE named for UNAUTH has an SSL setting of YES or CLIENTAUTH. The TCPIPSERVICE named must have an SSL value of NO.

**System action**

The CorbaServer becomes unusable. Processing continues.

**User response**

Examine the CORBASERVER definition to check that the correct TCPIPSERVICE has been named and then change the SSL parameter in the TCPIPSERVICE to NO. Delete the CorbaServer then reinstall the TCPIPSERVICE and the CorbaServer.

**Module:** DFHEJCG

**Destination**

CEJL

**Explanation**

*DFHEJ0751 I* *date time applid userid* About to wait for the availability of CorbaServer CorbaServer_name.

A function needs to ensure that a CorbaServer is available for use, so it is going to wait until the CorbaServer becomes available (it enters the INSERVICE State).

This message will usually appear while Resolution is proceeding (or pending) for the CorbaServer. However, it can also occur after this time during consistency processing for the items associated with the CorbaServer.

**System action**

The transaction enters a Wait state until the CorbaServer becomes INSERVICE.

If the Wait is associated with consistency processing, it is likely that this delay will be short.

**User response**

None.

**Module:** DFHEJCG

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. CorbaServer_name
6. tcpipservice

**Destination**

CEJL

**Explanation**

*DFHEJ0752 E* *date time applid userid* CorbaServer CorbaServer_name availability wait ended in error as the CorbaServer was not defined.

The CorbaServer was not found during the availability wait. The CorbaServer has probably been deleted via CEMT while another transaction was waiting for the CorbaServer to be available.
System action
Processing continues.

User response
None.
Module: DFHEJCG

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. CorbaServer_name

Destination
CEJL

DFHEJ0753 I date time applid userid
CorbaServer CorbaServer_name availability wait ended successfully.

Explanation
The CorbaServer is now available and so the availability wait has successfully ended.

System action
Processing continues.

User response
None.
Module: DFHEJCG

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. CorbaServer_name

Destination
CEJL

DFHEJ0754 I date time applid userid
CorbaServer CorbaServer_name availability wait ended in error because the CorbaServer was in the UNUSABLE state.

Explanation
The CorbaServer entered the UNUSABLE state and so will never become available for use. Consequently, the availability wait has ended with this error condition.

System action
Processing continues.

User response
None.
Module: DFHEJCG

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. CorbaServer_name

Destination
CEJL

DFHEJ0755 I date time applid userid
CorbaServer CorbaServer_name availability wait ended in error because the CorbaServer was in the DISABLED state.

Explanation
The CorbaServer entered the DISABLED state and so will never become available for use. Consequently, the availability wait has ended with this error condition.

System action
Processing continues.

User response
None.
Module: DFHEJCG
XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. CorbaServer_name

Destination
CEJL

DFHEJ0756 E  date time applid userid
CorbaServer CorbaServer_name availability wait ended in error because an error occurred during the wait.

Explanation
The CorbaServer availability wait ended in error. This is probably due to the transaction being cancelled via CEMT.

System action
Processing continues.

User response
None.

Module:
DFHEJCG

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. CorbaServer_name

Destination
CEJL

DFHEJ0762 I  date time applid userid
CorbaServer CorbaServer_name has been set to be enabled.

Explanation
The CorbaServer has been set to be enabled. This operation may not complete immediately.

System action
Processing continues.

User response
None.

Module:
DFHEJCG

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. CorbaServer_name

Destination
CEJL

DFHEJ0901 I  date time applid userid DJar
DJar_name within CorbaServer

Explanation
The CorbaServer has been set to be enabled. This operation may not complete immediately.
**Explanation**

A DJar has been created and added to the chain of DJars. However, it is not available for use until it has been resolved.

**System action**

Processing continues. The DJar will be resolved at a later stage.

**User response**

None.

**Module:** DFHEJDG

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. DJar_name
6. CorbaServer_name

**Destination**

CEJL

**DFHEJ0906 E** date time applid userid The EJ Resolution Transaction transaction_name did not attach.

**Explanation**

After the DJar has been created, it undergoes the Resolution process in a separate transaction. However, this transaction was not successfully attached. Another attachment of the Resolution Transaction will occur (if this failure does not re-occur) when the next DJar is created, and hence this failure may be thereby corrected.

**System action**

Processing continues.

**User response**

Examine the exception trace entry that shows the cause of the attachment error.

**Module:** DFHEJDG

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. transaction_name

**Destination**

CEJL

**DFHEJ0921 I** date time applid userid DJar DJar_name within CorbaServer CorbaServer_name was successfully discarded.
Explanation

The DJar was successfully deleted from the chain of DJars. The Beans contained in DJar DJar_name have also been deleted.

System action

Processing continues.

User response

None.

Module: DFHEJDG

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. DJar_name
6. CorbaServer_name

Destination

CEJL

DFHEJ0934 E date time applid userid DJar DJar_name within CorbaServer CorbaServer_name has failed Resolution while it was being copied to the Shelf.

Explanation

The Resolution for DJar DJar_name, involving copying the DJar to the Shelf, has failed.

System action

The DJar is put into the UNUSABLE state and cannot be used.

User response

Check that the CICS region id has permission to write to the zFS shelf directory and that there is sufficient free space available.

DJar DJar_name should be discarded and reinstalled.

Module: DFHEJDG

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. DJar_name

Destination

CEJL

DFHEJ0936 E date time applid userid DJar DJar_name Catalog Resolution processing returned bad data.

Explanation

The updating of the Global Catalog entry for the DJar DJar_name failed when the read for update operation, to record the fact that Resolution has occurred, was executed. The state is not updated in the Global Catalog for the DJar; so, upon the next warm restart processing will not be as expected.

System action

The DJar is put into the UNUSABLE state and cannot be used.

User response

Discard and reinstall the DJar.

If the problem persists you may need to use the trace facility to determine the cause of the problem.

Module: DFHEJDG

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**Explanation**
The updating of the Global Catalog entry for DJar *DJar_name*, to record the fact that Resolution has occurred, failed when the read for update operation returned invalid data. The state is not updated in the Global Catalog for the DJar; so, upon the next warm restart processing will not be as expected.

**System action**
The DJar is put into the UNUSABLE state and cannot be used.

**User response**
Discard and reinstall the DJar. If the problem persists you may need to use the trace facility to determine the cause of the problem.

Module:
DFHEJJDG

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *userid*
5. *DJar_name*

**Destination**
CEJL

**Explanation**
The updating of the state, to record the status of Resolution processing, for DJar *DJar_name* has failed. The Resolution process was attempting to copy the Djar to the Shelf.

**System action**
Processing continues with the DJar in an incorrect state.

**User response**
Check that the CICS region id has write permission to the zFS shelf directory and that there is sufficient space available for the write operation to succeed. Discard and reinstall the DJar. If the problem persists you may need to use the trace facility to determine the cause of the problem.

Module:
DFHEJJDG

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *userid*
5. *DJar_name*
Explanation

An error occurred while installing the Beans from DJar DJar_name during the Bean copying phase of Resolution.

The most probable reason is that an attempt was made to install a duplicate Bean twice within the scope of the CorbaServer. In other words the duplicate Bean occurs in more than one DJar.

System action

The partially processed Beans within the DJar are deleted and the DJar is put into the UNRESOLVED state.

User response

Investigate why the Beans within the DJar within the scope of the CorbaServer caused this error to occur. In the most likely case, check that the contents of the DJar are not already present within the scope of the CorbaServer (for example, copying a Bean and then using both copies).

Module:
DFHEJDG

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. DJar_name
6. CorbaServer_name

Deletion of Beans contained within DJar DJar_name within CorbaServer CorbaServer_name succeeded.

Explanation

Beans are being deleted due to an error in the Resolution process which was loading Beans from DJar DJar_name. This deletion has succeeded.

System action

Processing continues.
**User response**

A previous message should explain why the Bean failed to install.

Discard and reinstall the DJar.

If the problem persists you may need to use the trace facility to determine the cause of the problem.

**Module:**
DFHEJDG

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. DJar_name
6. CorbaServer_name

**Destination**
CEJL

**Explanation**

The updating of the state, to record the status of Bean Resolution processing, for DJar DJar_name has failed. The Bean Resolution process consists of loading Beans from the DJar.

**System action**

Processing continues with the DJar in an incorrect state.

**User response**

Discard and reinstall the DJar.

If the problem persists you may need to use the trace facility to determine the cause of the problem.

**Module:**
DFHEJDG

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. DJar_name

**Destination**
CEJL

**Explanation**

A function needs to ensure that a DJar is available for use, so it is going to wait until this DJar becomes available by entering the INSERVICE state).
This message will usually be generated while the DJar is awaiting or undergoing Resolution Processing. However, it can also occur during consistency processing of items associated with the DJar.

**System action**
The transaction enters a Wait state until the DJar is INSERVICE.

If the Wait is due to consistency processing, the delay is likely to be small.

**User response**
None.

**Module:** DFHEJDG

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. DJar_name

**Destination**
CEJL

**DFHEJ0962 I**  
\textit{date time applid userid DJar DJar_name availability wait ended in error because the DJar was not defined.}

**Explanation**
The DJar was not found during the availability wait. The DJar has probably been deleted via CEMT while another transaction was waiting for the DJar to be available.

**System action**
Processing continues.

**User response**
None.

**Module:** DFHEJDG

**XMEOUT parameters/Message inserts**
1. date

**Destination**
CEJL

**DFHEJ0963 I**  
\textit{date time applid userid DJar DJar_name availability wait ended successfully.}

**Explanation**
The DJar is now available and so the availability wait has successfully ended.

**System action**
Processing continues.

**User response**
None.

**Module:** DFHEJDG

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. DJar_name

**Destination**
CEJL

**DFHEJ0964 I**  
\textit{date time applid userid DJar DJar_name availability wait ended in error because the DJar was in the UNUSABLE state.}

**Explanation**
The DJar entered the UNUSABLE state and so will never become available for use. Consequently, the availability wait has ended with this error condition.

**System action**
Processing continues.
User response
None.

Module:
DFHEJDG

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. DJar_name

Destination
CEJL

DFHEJ0965 I  date time applid userid DJar
DJar_name availability wait ended
in error because the DJar was in
the UNRESOLVED state.

Explanation
The DJar entered the UNRESOLVED state and so will
never become available for use. Consequently, the
availability wait has ended with this error condition.

System action
Processing continues.

User response
None.

Module:
DFHEJDG

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. DJar_name

Destination
CEJL

DFHEJ0966 E  date time applid userid DJar
DJar_name availability wait ended
in error because an error occurred
during the wait.

Explanation
The DJar availability wait ended in error. This is
probably due to the transaction being cancelled via
CEMT.

System action
Processing continues.

User response
None.

Module:
DFHEJDG

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. DJar_name

Destination
CEJL

DFHEJ0971 I  date time applid userid About
to wait for the availability of
all Beans contained within DJars
associated with CorbaServer
CorbaServer_name.

Explanation
A function needs to ensure that all the Beans
contained within DJars associated with a CorbaServer
are present. Thus, it is going to wait until all DJars
associated with the CorbaServer have been resolved
(they all enter the INSERVICE state).

System action
The transaction enters a Wait state until all the
all the DJars associated with the CorbaServer enter the
INSERVICE state.

User response
None.

Module:
DFHEJDG
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. CorbaServer_name

**Destination**

CEJL

**Explanation**

All Beans contained within the DJars associated with this CorbaServer are present. This means that the CorbaServer and all associated DJars are in the INSERVICE state.

**System action**

None.

**User response**

None.

**Module:**

DFHEJDG

---

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. CorbaServer_name

**Destination**

CEJL

**Explanation**

The waiting has ended without all Beans contained within the DJars associated with this CorbaServer being present. This will probably be a side effect of a previous error in DJar or CorbaServer processing.

This could be a side effect of the CorbaServer being deleted or in the UNUSABLE state, or a DJar being in the UNUSABLE or UNRESOLVED state, or the wait being cancelled via CEMT.

**System action**

None.

**User response**

Examine the exception trace entry showing the failure of the operation which caused the wait to end in error.

**Module:**

DFHEJDG

---

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. CorbaServer_name

**Destination**

CEJL

**Explanation**

The Bean contained in DJar DJar_name and associated with the named CorbaServer has not been created because the CorbaServer was not found. The CorbaServer was probably deleted via CEMT while the Bean loading phase of the DJar Resolution was in progress.

**System action**

Processing continues.

**User response**

The owning DJar should be deleted and reinstalled when CorbaServer CorbaServer_name is present.

**Module:**
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. Bean_name
6. DJar_name
7. CorbaServer_name

**Destination**

CEJL

**DFHEJ1102 E**

```
Bean Bean_name from DJar DJar_name within CorbaServer CorbaServer_name has not been created because the CorbaServer is not in the correct state.
```

**Explanation**

The Bean, contained in the named DJar and associated with the named CorbaServer, has not been created because the CorbaServer was not in the INSERVICE state.

**System action**

Processing continues.

**User response**

The DJar should be deleted.

**Module:**

DFHEJBG

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. Bean_name
6. DJar_name
7. CorbaServer_name

**Destination**

CEJL

**DFHEJ1103 E**

```
Bean Bean_name from DJar DJar_name within CorbaServer CorbaServer_name has not been created because the DJar is absent.
```

**Explanation**

The Bean contained in the DJar DJar_name and associated with the named CorbaServer has not been created because the DJar was not found. The DJar was probably deleted via CEMT while the Bean copying phase of the DJar Resolution was in progress.

**System action**

Processing continues.

**User response**

None.

**Module:**

DFHEJBG

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. Bean_name
6. DJar_name
7. CorbaServer_name

**Destination**

CEJL

**DFHEJ1104 E**

```
Bean Bean_name from DJar DJar_name within CorbaServer CorbaServer_name has not been created because the DJar is not in the correct state.
```

**Explanation**

The Bean, contained in the named DJar and associated with the named CorbaServer, has not been created because the DJar was not in the RESOLVING state.

**System action**

Processing continues.
This indicates some sort of internal race condition and should not occur.

**User response**

You may need to contact your IBM service representative.

**Module:**

DFHEJBG

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. Bean_name
6. DJar_name
7. CorbaServer_name

**Destination**

CEJL

**Explanation**

The Bean, contained in the named DJar and associated with the named CorbaServer, has not been created because the Bean is already present in the namespace of the CorbaServer.

Another possibility is that a Bean with the same name is present within two different DJars. Within the scope of a CorbaServer, all the Beans within all the DJars associated with the CorbaServer must be unique.

**System action**

Processing continues.

**User response**

The DJar should be deleted.

**Module:**

DFHEJBG

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. Bean_name
6. DJar_name
7. CorbaServer_name

**Destination**

CEJL
Explanation
The Bean, contained in the named DJar and associated with the named CorbaServer, has not been created.

System action
Processing continues.

User response
A prior message will usually indicate the cause of the error. The DJar should be deleted.

Module: DFHEJBG

XMEOUT parameters/Message inserts
1. date
date time applid userid
2. time
3. applid
4. userid
5. Bean_name
6. DJar_name
7. CorbaServer_name

Destination
CEJL

DFHEJ1510 E  date time applid userid
CorbaServer CorbaServer_name
previously failed Resolution and was found in the INITING state.

Explanation
A prior Resolution transaction (CEJR) failed and left a CorbaServer in the INITING state.

System action
The CorbaServer is put into the DISABLED state in order to prevent its use.

User response
A prior message should indicate the cause of the previous error.

Module: DFHEJIO

XMEOUT parameters/Message inserts
1. date
date time applid userid
2. time
3. applid
4. userid
5. CorbaServer_name

Destination
CEJL
Explanation
A prior Resolution transaction (CEJR) failed and left a CorbaServer in an intermediate state.

System action
The CorbaServer will be put into the DISABLED state in order to prevent its use.

User response
Examine the message log to determine why the CorbaServer Resolution failed. The CorbaServer should either be discarded or reenabled.

Module:
DFHEJ10

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. CorbaServer_name

Destination
CEJL

DFHEJ1518 E  date time applid userid
CorbaServer CorbaServer_name is UNUSABLE.

Explanation
The CorbaServer CorbaServer_name failed to complete the part of the Resolution process which involves opening CorbaServer related Object Store files. The CorbaServer CorbaServer_name is now accessible.

System action
Processing continues.

User response
None.

Module:
DFHEJ10

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. CorbaServer_name

Destination
CEJL

DFHEJ1521 E  date time applid userid
CorbaServer CorbaServer_name is DISABLED.

If the problem persists you may have to use the trace facility to determine the cause of the problem.
Explaination
The CorbaServer `CorbaServer_name` failed to complete the part of the Resolution process which involves opening the CorbaServer related Object Store files.

System action
The CorbaServer is put into the DISABLED state.

User response
Discard and reinstall the CorbaServer.
If the problem persists you may need to use the trace facility to determine the cause of the problem.

Module:
DFHEJIO

XMEOUT parameters/Message inserts
1. `date`
2. `time`
3. `applid`
4. `userid`
5. `CorbaServer_name`

Destination
CEJL

DFHEJ1530 E `date` `time` `applid` `userid` `DJar_name` previously failed Resolution and was found in the INITING state.

Explanation
A prior Resolution transaction (CEJR) failed and left a DJar in the INITING state.

System action
The DJar will be put into the UNRESOLVED state to prevent its use.

User response
A prior message will usually indicate the cause of the previous error. Discard and reinstall the CorbaServer.
If the problem persists you may need to use the trace facility to determine the cause of the problem.

Module:
DFHEJIO

XMEOUT parameters/Message inserts
1. `date`
2. `time`
3. `applid`
4. `userid`
5. `DJar_name`

Destination
CEJL

DFHEJ1538 E `date` `time` `applid` `userid` `DJar_name` and the Beans it contains are UNUSABLE.
Explanation
DJar *DJar_name* failed to Resolve. The Resolution process failed while attempting to copy this DJar to the Shelf.

System action
The DJar has been put into the UNUSABLE state.

User response
Check that the CICS region id has permission to write to the zFS shelf directory structure. Discard and reinstall the CorbaServer.

If the problem persists you may need to use the trace facility to determine the cause of the problem.

Module:
DFHEJIO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. DJar_name

Destination
CEJL

DFHEJ1540 I  *date time applid userid* DJar *DJar_name* and the Beans it contains are now accessible.

Explanation
The DJar *DJar_name* has correctly Resolved. This means that the Resolution process successfully loaded all the Beans from this DJar. DJar *DJar_name* and all the Beans which are contained in the DJar are now accessible and ready for use. This message does not imply that the Beans have been published. If the DJar has been published then CICS is now ready to accept requests for the Beans.

System action
Processing continues.

User response
None.

Module:
DFHEJIO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. DJar_name

Explanation
DJar *DJar_name* failed to Resolve. The Resolution process failed while attempting to load the Beans from this DJar because the Beans contained within the DJar were invalid.

System action
The Djar is put into the UNRESOLVED state.

User response
A prior message should describe the error in the DJar. Fix this error and then reinstall the DJar.

Module:
DFHEJIO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. DJar_name

Explanation
The EJ domain attempted to invoke the Enterprise Java event URM: module. Reason(*'reason'*)

System action
Processing continues.

User response
None.

Module:
DFHEJIO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. DJar_name

Explanation
The EJ domain is unable to run the Enterprise Java event URM: module. Reason(*'reason'*)
System action
Exception trace point 6000 is issued. Enterprise resource processing continues.

User response
Possible causes of the problem and an indication of how to solve them are given in the following list of reason code meanings:

Reason
Meaning and Solution

1
The user exit program should be linked with AMODE(31). Ensure that the user exit is linked to the correct AMODE.

2
The user exit program has no resource definition. Ensure that the PROGRAM resource definition for the user exit program is installed.

3
The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.

4
The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.

5
The user exit program is not enabled. CICS may have disabled the program due to an earlier error or the program may have been defined as disabled.

6
CICS is unable to load the user exit program for some other reason. Use trace to determine why the DFHPGLU call failed.

Module: DFHEJDG

XMEOUT parameters/Message inserts

1. DATE
2. TIME
3. APPLID
4. userid
5. module
6. '\x'reason\x''

Destination
CEJL

DFHEJ5032 I date time applid userid DJar Djar is having its contents automatically published to the namespace.

Explanation
When a DJar completes resolution and becomes inservice, CICS checks the autopublish setting for the related CorbaServer. If autopublish is set to YES, the DJar is automatically published to the namespace.

System action
None.

User response
None.

Module: DFHEJDG

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. Djar

Destination
CEJL

DFHEJ5034 I date time applid userid Scan completed for CorbaServer CorbaServer, no Djars created, no DJars updated.

Explanation
A CorbaServer scan has completed against the specified CorbaServer. The message indicates how many new DJar resources have been created based on the contents of the scanned djardir. It also indicates how many DJar resources have been upgraded due to new versions of jar files being discovered in the djardir.

System action
None.
User response
None.

Module:
DFHEJJDG

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. CorbaServer

Destination
CEJL

DFHEJ5035 W date time applid userid The pickup directory for CorbaServer CorbaServer could not be read.

Explanation
A CorbaServer scan has discovered that the pickup directory could not be read. This may be because the region does not have read access to the zFS directory.

DFHEMnnnn messages

DFHEM0001 applid An abend (code aaa/bbbb) has occurred at offset X’offset’ in module modname.

Explanation
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.
If you cannot run without the full use of module `modname` you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHEMDM, DFHEMEM.

**XMEOUT parameters/Message inserts**

1. `applid`
2. `aaa/bbbb`
3. `X'offset'
4. `modname`

**Destination**

Console

```
DFHEM0002  applid A severe error (code X'code') has occurred in module modname.
```

**Explanation**

An error has been detected in module `modname`. The code `X'code'` is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

**System action**

An exception entry (code `X'code'` in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module `modname` is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module `modname`, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHEMDM, DFHEMEM.

**Destination**

Console

```
DFHEM0100I  applid Event Manager initialization has started.
```

**Explanation**

This is an informational message indicating the start of event manager domain initialization.

**System action**

Initialization continues.

**User response**

None. You can suppress this message with the system initialization parameter, MSGLEVEL=0.

**Module:** DFHEMDM

**XMEOUT parameters/Message inserts**

1. `applid`
2. `X'code'`
3. `modname`

**Destination**

Console

```
DFHEM0101I  applid Event Manager initialization has ended.
```

**Explanation**

Event manager domain initialization has completed successfully

**System action**

Initialization continues.
User response
None. You can suppress this message with the system initialization parameter, MSGLEVEL=0.

Module:
DFHEMDM

DFHEPnnnn messages

DFHEP0001  applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

DFHEP0002  applid A severe error (code X'code') has occurred in module modname.

Explanation
An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the Troubleshooting and support.

System action
An exception entry (code code in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain.

XMEOUT parameters/Message inserts

1. applid

Destination
Console
In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHEPAD, DFHEPDM, DFHEPDS, DFHEPEV, DFHEPR, DFHEPRM, DFHEPST, DFHEPSY, DFHEPW, DFHEPM

---

**XMEOUT parameters/Message inserts**

1. *applid*
2. *X'code'*
3. *modname*

**Destination**

Console

**Explanation**

This is an informational message indicating the start of Event Processing domain initialization.

**System action**

Initialization continues.

**User response**

None. You can suppress this message with the system initialization parameter, MSGLEVEL=0.

**Module:**

DFHEPDM

---

**XMEOUT parameters/Message inserts**

1. *applid*

**Destination**

Console

**Explanation**

Event Processing domain initialization has completed successfully

**System action**

Initialization continues.

**User response**

None. You can suppress this message with the system initialization parameter, MSGLEVEL=0.

**Module:**

DFHEPDM

---

**XMEOUT parameters/Message inserts**

1. *applid*

**Destination**

Console

**Explanation**

CEPM is stopping Event Processing after a severe error.

**System action**

CEPM instructs EP domain to drain its dispatcher queues and event processing is stopped.

**User response**

This message indicates a possible error in the CICS code. Event processing can be started again by issuing a SET EVENTPROCESS command. If the problem persists, you might need further assistance from IBM to fully resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.
Module: DFHEPEV

XMEOUT parameters/Message inserts

1. applid

Destination

Console

DFHEP0114  date time applid tranid
The EPADAPTER user ID adapter_userid is revoked, not valid, or not defined. An event from EVENTBINDING evbname has been discarded.

Explanation

The user ID adapter_userid of the EP adapter for event binding evbname is revoked, not valid, or not defined.

System action

The event is not emitted.

User response

Correct the intended EP adapter userid.

Module: DFHEPSY

XMEOUT parameters/Message inserts

1. applid

Destination

Console

DFHEP0116 applid Event Processing event dispatcher task limit relieved.

Explanation

Event processing dispatcher task limit is relieved.

System action

The event processing event queue server task is now able to create new dispatcher tasks to process any new events.

User response

If the configured event adapter is linked to by the dispatcher task then ensure that the consumer of the event is able to process the event. Ensure that event processing does not use an excessive number of open TCBs. Event processing limits the number of open TCBs used for EP dispatchers to one third of the value of MAXOPENTCBS, which if not specified, is set automatically based on the maximum number of tasks specified for the CICS region (the MXT value), using the following formula: (2 \* MXT Value) + 32.

Decreasing the value of MAXOPENTCBS, or MXT if MAXOPENTCBS allowed to default, will enable the event processing event queue server to limit the number of dispatcher tasks.
Module: DFHEPSY

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHEP0117 applid The EPADAPTER transaction ID adapter_tranid is disabled or undefined. An event from EVENTBINDING evbname has been discarded.

Explanation
The transaction ID adapter_tranid of the EP adapter for event binding evbname is disabled or undefined.

System action
The event is not emitted.

User response
Define the intended EP adapter transaction ID as local to the CICS region identified by applid. See the CICS Transaction Server for z/OS Defining resources for instructions on defining a transaction.

Module: DFHEPEV

XMEOUT parameters/Message inserts
1. applid
2. adapter_tranid
3. evbname

Destination
Console

DFHEP0118 applid The EPADAPTER transaction ID adapter_tranid is remote. An event from EVENTBINDING evbname has been discarded.

Explanation
The transaction ID adapter_tranid of the EP adapter for event binding evbname is defined as remote from this CICS region.

System action
The event is not emitted.

User response
Define the intended EP adapter transaction ID as local to the CICS region identified by applid. See the CICS Transaction Server for z/OS Defining resources for instructions on defining a transaction.

Module: DFHEPEV

XMEOUT parameters/Message inserts
1. date
time applid
2. trannum

Destination
Console

DFHEP0119 date time applid Task trannum(tranid) Event Processing Global Event Queue depth: number_events_queued High Water Mark: events_queued_hwm.

Explanation
Events are queued on the global event queue for processing. Global Event Queue depth is the number of events currently queued on the global event queue. High Water Mark is the highest number of events queue on the global event queue.

System action
The CEPM task is either busy processing existing events or has ended.

User response
None.
6. number_events_queued
7. events_queued_hwm

**Destination**

CEPO

| DFHEP0120 | date time applid tranid | The EPADAPTER transaction ID adapter_tranid is defined to start the wrong program for this type of adapter. An event from EVENTBINDING evbname has been discarded. |

**Explanation**

The transaction ID adapter_tranid of the EP adapter for event binding evbname is defined to start the wrong program for this type of EP adapter.

**System action**

The event is not emitted.

**User response**

Define the intended EP adapter transaction ID to start the correct program for this type of adapter. See the CICS Transaction Server for z/OS Defining resources for instructions on defining a transaction.

**Module:**

DFHEPEV

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. adapter_tranid
6. evbname

**Destination**

CEPO

| DFHEP0121 | date time applid | Synchronous event emission by EP adapter epadapter failed for an event from EVENTBINDING evbname. The UOW will be backed out. |

**Explanation**

Synchronous event emission by EP adapter epadapter failed for event binding evbname and so the unit of work (UOW) will be backed out.

Event processing events that are configured for synchronous emission but are not successfully emitted cause the originating unit of work to be backed out at the next sync point.

**System action**

Processing continues, but at the next sync point the unit of work will be backed out.

**User response**

A preceding message and an exception entry in the trace table indicates why the event was not emitted, and the required user response.

**Module:**

DFHEPEV

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. epadapter
5. evbname

**Destination**

CEPO

| DFHEP0122 | applid | The EPADAPTER transaction ID adapter_tranid is not enabled for use during CICS shutdown. An event from EVENTBINDING evbname has been discarded. |

**Explanation**

The transaction ID adapter_tranid of the EP adapter for event binding evbname is not defined to run during CICS shutdown.

**System action**

The event is not emitted.

**User response**

Redefine the EP adapter transaction ID adapter_tranid with the option SHUTDOWN(ENABLED). See the CICS
Transaction Server for z/OS Defining resources for instructions on defining a transaction.

**Module:** DFHEPEV

**XMEOUT parameters/Message inserts**

1. applid
2. adapter_trandid
3. evbname

**Destination**

Console

**DFHEP0123** applid EP domain is quiescing but adapter_tasks EP adapter tasks are still active.

**Explanation**

EP domain is quiescing but EP adapter tasks are still active. CICS waits for a maximum of 2 minutes during shutdown for all EP adapter tasks to complete before continuing with quiesce.

**System action**

CICS shutdown continues and some events might be lost.

**User response**

Inspect the CICS log and EP domain message log for any messages which might help explain why the EP adapter tasks are still active.

**Module:** DFHEPEV

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. modname

**Destination**

CEPO

**DFHEP1001** date time applid EPADAPTER adaptername from BUNDLE bundle installed successfully.

**Explanation**

EPADAPTER adaptername from BUNDLE bundle has been installed successfully.

**System action**

Processing continues.

**User response**

None required.

**Module:** DFHEPRL, DFHEPAD

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. modname

**Explanation**

A call was made to module modname of the Event Processing (EP) domain during the processing of a request but the parameter list was not valid. This is probably because of a storage overwrite or an internal error in the calling component.

**System action**

An exception trace is written by EP domain, a system dump is taken and the task in progress is abended. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Use the dump to determine the fault in the calling component.

**Module:** DFHEPRL, DFHEPAD

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. modname

**Explanation**

A call was made to module modname of the Event Processing (EP) domain during the processing of a request but the parameter list was not valid. This is probably because of a storage overwrite or an internal error in the calling component.

**System action**

An exception trace is written by EP domain, a system dump is taken and the task in progress is abended. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Use the dump to determine the fault in the calling component.
**Destination**
CEPO

**DFHEP1002**  
`date time applid EPADAPTER adaptername from BUNDLE bundle discarded successfully.`

**Explanation**
EPADAPTER `adaptername` from BUNDLE `bundle` has been discarded successfully and removed from this system.

**System action**
Processing continues.

**User response**
None required.

**Module:**  
DFHEPAD

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `adaptername`
5. `bundle`

**Destination**
CEPO

**DFHEP1004**  
`date time applid EPADAPTERSET adaptersetname from BUNDLE bundle installed successfully.`

**Explanation**
EPADAPTERSET `adaptersetname` from BUNDLE `bundle` has been installed successfully.

**System action**
Processing continues.

**User response**
None required.

**Module:**  
DFHEPAD

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `adaptersetname`
5. `bundle`

**Destination**
CEPO

**DFHEP1003**  
`date time applid EPADAPTER epadapter from BUNDLE bundle installed successfully, replacing a previously installed version.`

**Explanation**
An EPADAPTER named `epadapter` from BUNDLE `bundle` has been successfully installed. It replaced a previously installed EPADAPTER of the same name.

**System action**
Processing continues.

**User response**
None required.

**Module:**  
DFHEPAD

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `adaptersetname`
5. `bundle`

**Destination**
CEPO

**DFHEP1005**  
`date time applid EPADAPTERSET adaptersetname from BUNDLE bundle discarded successfully.`

**Explanation**
EPADAPTERSET `adaptersetname` from BUNDLE `bundle` has been discarded successfully and removed from this system.

**System action**
Processing continues.
**User response**
None required.

**Module:**
DFHEPAD

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. adaptersetname
5. bundle

**Destination**
CEPO

DFHEP1006  
```
  date  time  applid  EPADAPTERSET  
  adaptersetname  from  BUNDLE  
  bundle  installed  successfully,  
  replacing  a  previously  installed  
  version.
```

**Explanation**
EPADAPTERSET adaptersetname from BUNDLE bundle has been successfully installed. It replaced a previously installed EPADAPTERSET of the same name.

**System action**
Processing continues.

**User response**
None required.

**Module:**
DFHEPAD

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. adaptersetname
5. bundle

**Destination**
CEPO

DFHEP2001  
```
  date  time  applid  The  CICS  event  
  processing  domain  failed  to  create  
  EPADAPTER  resource  adapter  in  
  BUNDLE  bundle  because  the  
  EP  adapter,  which  is  of  type  
  adapterType  and  emission  mode  
  emitmode  {,  requires  a  program  
  name.  |,  does  not  support  
  transactional  events.  |,  requires  
  a  transaction  ID.  |,  is  invalid  or  
  unrecognized.  |,  has  an  invalid  
  or  unsupported  event  format.  |,  
  has  an  unsupported  combination  of  
  attributes.  |,  failed  the  surrogate  
  user  check  for  some  unexpected  
  reason.}
```

**Explanation**
An error has occurred creating EPADAPTER adapter in BUNDLE bundle because of a problem with the EP adapter specification. The EPADAPTER is either being installed as a separate EPADAPTER bundle part or as part of an EVENTBINDING bundle part of the same name. The EPADAPTER is of type adapterType and its emission mode is emitmode. Possible reasons include:

**Requires a program name**
A program name is required for a custom EP adapter when the emission mode is synchronous.

**Does not support transactional events**
The EP adapter cannot be used for assured transactional events because it does not emit events to a recoverable transport. Transactional events and synchronous emission mode are mutually exclusive options for this EP adapter type.

**Requires a transaction ID**
A transaction ID is required for a custom adapter when the emission mode is asynchronous.

**Is invalid or unrecognized**
The EP adapter type, emission mode or both are unrecognized by this release of CICS.

**Has an invalid or unsupported event format**
The format field in the EP adapter configuration container returned by the XML parse function is invalid or not supported by the EP adapter type.

**Has an unsupported combination of attributes**
The emission mode is not supported by this type of EP adapter.

**Unexpected reason during the surrogate user check**
The userid installing the EP adapter goes through a surrogate check for the userid specified in the EP adapter configuration. The surrogate user check failed for some unexpected reason.
### System action

An exception entry is made in the trace table.

An exception response is returned to the caller of this domain and the EP adapter create is terminated.

Message DFHME0116, which contains the symptom string for this problem, is produced.

### User response

If this is a separately installed EPADAPTER, the condition is probably caused by an error or inconsistency in the EP adapter XML. If installed as part of an EVENTBINDING, the condition is probably caused by an error in the eventDispatcherSpecification section of the event binding XML. If the XML was built by the CICS event binding editor, this condition might indicate an error in CICS code. Inspect the CICS trace and EP domain message log for any related trace entries or messages. Validate the XML against the appropriate event processing schema for the CICS system into which the bundle is being installed. Correct the XML, discard the BUNDLE, and reinstall it.

**Module:**
DFHEPRL

### XMEOUT parameters/Message inserts

1. `date`
2. `time`
3. `applid`
4. `adapter`
5. `bundle`
6. `adapterType`
7. `emitmode`
8. Value chosen from the following options:

   - `1=, requires a program name.`,
   - `2=, does not support transactional events.`,
   - `3=, requires a transaction ID.`,
   - `4=, is invalid or unrecognised.`,
   - `5=, has an invalid or unsupported event format.`,
   - `6=, has an unsupported combination of attributes.`,
   - `7=, failed the surrogate user check for some unexpected reason.`

### Explanation

An error has occurred creating EPADAPTER `adaptername` in BUNDLE `bundle`. The EPADAPTER is either being installed as a separate EPADAPTER bundle part or as part of an EVENTBINDING bundle part of the same name. Possible reasons include:

**EP adapter name is invalid.**

The acceptable 1-32 characters of an EP adapter name are A-Z a-z 0-9 and _. Leading and embedded blank characters are not permitted. The name must not begin with 0-9, _ or the characters xml (in any case).

**XML data for the EP adapter could not be parsed.**

The preceding DFHPInnnn message gives further information about the cause of the problem.

**eventDispatcher is missing or invalid**

The eventDispatcher section of the event binding or EP adapter cannot be located by the XML parser.

**Configuration data is too long**

The configuration data specified for a custom EP adapter is too long.

**Duplicate of another EPADAPTER**

The EPADAPTER being installed has the same name as a previously installed EPADAPTER from the same BUNDLE. Note that an EPADAPTER may be:

- standalone: installed from a separate epadapter part within the BUNDLE
- embedded: installed with an EVENTBINDING from an evbind part within the bundle. The EPADAPTER has the same name as the related EVENTBINDING.

### System action

An exception entry is made in the trace table.
An exception response is returned to the caller of this domain and the event binding create is terminated.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

If this is a separately installed EPADAPTER, the condition is probably caused by an error or inconsistency in the EP adapter XML. If installed as part of an EVENTBINDING, the condition is probably caused by an error in the eventDispatcherSpecification section of the event binding XML. If the XML was built by the CICS event binding editor, this condition might indicate an error in CICS code. Inspect the CICS trace and EP domain message log for any related trace entries or messages. Validate the XML against the event processing schema for the CICS system into which the bundle is being installed. Correct the event binding, discard the BUNDLE, and reinstall it.

**Module:**

DFHEPRL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. adaptername
5. bundle
6. Value chosen from the following options:

   1 = the EP adapter name is invalid.,
   2 = the XML data for the EP adapter could not be parsed.,
   3 = the eventDispatcher is missing or invalid.,
   4 = the configuration data is too long.,
   5 = it is a duplicate of another EPADAPTER in the BUNDLE.

**Destination**

CEPO

DFHEP2003 date time applid The CICS event processing domain failed to create the EPADAPTER resource adaptername in BUNDLE bundle because the LOCALCCSID SIT parameter is not supported | EP adapter schema level is not supported | CICSEPSchemaVersion is invalid | CICSEPSchemaRelease is invalid): error_data.

**Explanation**

An error has occurred creating EPADAPTER adaptername in BUNDLE bundle. Possible reasons include:

**LOCALCCSID SIT parameter is not supported**

Event processing uses the LOCALCCSID system initialization parameter as the default CCSID for codepage conversion of character data. It must be a CICS supported single or multibyte EBCDIC CCSID.

**Schema level is not supported**

The CICSEPSchemaVersion and CICSEPSchemaRelease of EP adapter, error_data, must not be higher than the schema level supported by this release of CICS, which can be found by using the INQUIRE EVENTPROCESS command.

**CICSEPSchemaVersion is invalid**

The specified 1-2 character string must consist of numeric characters only, i.e. 0-9, and be in the range 1-99.

**CICSEPSchemaRelease is invalid**

The specified 1-2 character string must consist of numeric characters only, i.e. 0-9, and be in the range 0-99.

**System action**

An exception entry is made in the trace table.

An exception response is returned to the caller of this domain and the EPADAPTER create is terminated.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

This is probably caused by an error or inconsistency in the EP adapter XML. If the EP adapter was built by the CICS event binding editor, this may indicate an error in CICS code. Inspect the CICS trace and EP domain message log for any related trace entries or messages. Validate the EP adapter against the event processing schema for the CICS system into which the BUNDLE is being installed. Correct the EP adapter, discard the BUNDLE, and reinstall it.

**Module:**

DFHEPRL
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. adaptername
5. bundle
6. Value chosen from the following options:
   1=LOCALCCSID SIT parameter is not supported,
   2=EP adapter schema level is not supported,
   3=CICSEPSchemaVersion is invalid,
   4=CICSEPSchemaRelease is invalid
7. error_data

Destination

CEPO

DFHEP2004  date time applid The CICS event processing domain failed to create EPADAPTER resource adapter in BUNDLE bundle because the EP adapter, which is of type adapterType and emission mode emitmode, has a Transaction User ID tranuserid that the bundle installation user ID installuserid is not authorized to use.

Explanation

The userid installuserid for the bundle install is not authorized to use the Transaction User ID tranuserid specified in the EP adapter configuration.

System action

An exception entry is made in the trace table.
An exception response is returned to the caller of this component and the EP adapter creation is terminated.
If the EP adapter configuration is embedded in an event binding, the event binding creation is terminated.

User response

Ensure that the userid installing the bundle has the necessary authorization. This may require the assistance of a security administrator. When the necessary corrections have been made reinstall the bundle.

Module:
DFHEPRL

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in the EP adapter XML. If installed as part of an EVENTBINDING, this is probably caused by an error in the eventDispatcherSpecification section of the event binding XML. If the XML was built by the CICS event binding editor this might indicate an error in CICS code. Inspect the CICS trace and EP domain message log for any related trace entries or messages. Correct the XML, discard the BUNDLE, and reinstall it.

**Module:**
DFHEPRL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. adaptername
5. emitmode
6. adapterType
7. option

**Destination**
CEPO

**DFHEP2006**

The CICS event processing domain failed to create the EPADAPTERSET resource adaptersetname in BUNDLE bundle because 

- the EP adapterset name is invalid.
- the XML data for the EP adapterset could not be parsed.
- it is a duplicate of another EPADAPTERSET in the BUNDLE.
- no EP adapter names are specified in the EP adapterset.
- the EPADAPTER name has a duplicate in the EP adapterset.
- an EPADAPTER name contained in the EP adapterset is invalid.

**Explanation**

An error has occurred creating EPADAPTERSET adaptersetname in BUNDLE bundle. Possible reasons include:

**EP adapterset name is invalid**

The acceptable 1-32 characters of an EP adapterset name are A-Z a-z 0-9 and _. Leading and embedded blank characters are not permitted. The name must not begin with 0-9, _ or the characters xml (in any case).

**XML data for the EP adapterset could not be parsed**

The preceding DFHPInnnn message gives further information about the cause of the problem.

**Duplicate of another EPADAPTERSET**

The EPADAPTERSET being installed has the same name as a previously installed EPADAPTERSET from the same BUNDLE.

**No EP adapter names are specified in the EP adapterset**

There should be at least one EP adapter name being specified in the EP adapterset XML data.

**Duplicate of EPADAPTER name**

The EPADAPTERSET contains duplicated EP adapter names.

**Invalid EPADAPTER name**

The EPADAPTERSET contains invalid EP adapter name.

**System action**

An exception entry is made in the trace table.

An exception response is returned to the caller of this domain and the EPADAPTERSET create is terminated. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

The condition is probably caused by an error or inconsistency in the EP adapterset XML. If the XML was built by the CICS event binding editor, this condition might indicate an error in CICS code. Inspect the CICS trace and EP domain message log for any related trace entries or messages. Validate the XML against the event processing schema for the CICS system into which the bundle is being installed. Correct the EP adapterset XML, discard the BUNDLE, and reinstall it.

**Module:**
DFHEPRL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. adaptersetname
5. bundle
6. Value chosen from the following options:
1=the EP adapterset name is invalid.,
2=the XML data for the EP adapterset could not be parsed.,
3=it is a duplicate of another EPADAPTERSET in the BUNDLE.,
4=no EP adapter names are specified in the EP adapterset.,
5=the EPADAPTER name has a duplicate in the EP adapterset.,
6=an EPADAPTER name contained in the EP adapterset is invalid.

**Destination**

CEPO

**DFHEP2007 date time applid** The CICS event processing domain failed to create the EPADAPTERSET resource adaptersetname in BUNDLE bundle because the (LOCALCCSID SIT parameter is not supported | EP adapterset schema level is not supported | CICSEPSchemaVersion is invalid | CICSEPSchemaRelease is invalid): error_data.

**Explanation**

An error has occurred creating EPADAPTERSET adaptersetname in BUNDLE bundle. Possible reasons include:

**LOCALCCSID SIT parameter is not supported**

Event processing uses the LOCALCCSID system initialization parameter as the default CCSID for codepage conversion of character data. It must be a CICS supported single or multibyte EBCDIC CCSID.

**Schema level is not supported**

The CICSEPSchemaVersion and CICSEPSchemaRelease of EP adapterset, error_data, must not be higher than the schema level supported by this release of CICS, which can be found by using the INQUIRE EVENTPROCESS command.

**CICSEPSchemaVersion is invalid**

The specified 1-2 character string must consist of numeric characters only, i.e. 0-9, and be in the range 0-99.

**System action**

An exception entry is made in the trace table.

An exception response is returned to the caller of this domain and the EPADAPTERSET create is terminated.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

This is probably caused by an error or inconsistency in the EP adapterset XML. If the XML was built by the CICS event binding editor, this may indicate an error in CICS code. Inspect the CICS trace and EP domain message log for any related trace entries or messages. Validate the XML against the event processing schema for the CICS system into which the BUNDLE is being installed. Correct the EP adapterset, discard the BUNDLE, and reinstall it.

**Module:**

DFHEPRL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. adaptersetname
5. bundle
6. Value chosen from the following options:
   1=LOCALCCSID SIT parameter is not supported,
   2=EP adapterset schema level is not supported,
   3=CICSEPSchemaVersion is invalid,
   4=CICSEPSchemaRelease is invalid
7. error_data

**Destination**

CEPO
**Explanation**

CICS cannot find DFHRCEX in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

**System action**

CICS terminates abnormally with a dump.

**User response**

To correct this error, place DFHRCEX in a partitioned data set in the DFHRPL DD statement.

**Module:**

DFHTCBP, DFHUSBP

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

---

**Explanation**

During warm or emergency restarts CICS issues this message when it has completed its scan of the system log and has found no active user journal records. Active user journal records are written by user applications that use commands such as EXEC CICS WRITE JOURNAL. They are written to the system log by one of the following:

- A unit of work that was in flight or in doubt when the preceding CICS system terminated.
- An application request in which the high order bit of the JTYPEID value was set to 1 (provided that the record lies within the compass of the restart system log scan).
- The XAKUSER global user exit during the last completed activity keypoint.

If there are such active user journal records, they are presented to the global user exit XRCINPT and this message is not issued.

**System action**

Processing continues.

**User response**

None.

**Module:**

DFHAPRC

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

---

**Explanation**

During warm or emergency restarts CICS issues this message when it is about to start processing records from the system log.

**System action**

If the global user exit XRCINIT is enabled, it is invoked with an indication that this is the initial call. Processing continues.

**User response**

None.

**Module:**

DFHAPRC

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

---

**Explanation**

During warm or emergency restarts CICS issues this message when it has finished processing records from the system log. Any active user journal records have by now been presented to the global user exit XRCINPT. Active user journal records are those written to the system log by one of the following:
• A unit of work that was in flight or in doubt when the preceding CICS system terminated.
• An application request in which the high order bit of the JTYPEID value was set to 1 (provided that the record lies within the compass of the restart system log scan).
• The XAKUSER global user exit during the last completed activity keypoint.

System action
If the global user exit XRCINIT is enabled, it is invoked with an indication that this is the final call. Processing continues.

User response
None.

Module:
DFHAPRC

XMEOUT parameters/Message inserts

1. applid

Destination
Console

DFHEXnnnn messages

<table>
<thead>
<tr>
<th>DFHEX0001</th>
<th>An abend (code aaa/bbbb) has occurred in module modname.</th>
</tr>
</thead>
</table>

Explanation
An unexpected program check or abend aaa/bbbb has occurred in module modname. This implies that there may be an error in external CICS interface code.
Alternatively, unexpected data has been passed on an external CICS interface call or storage has been overwritten.
The code aaa/bbbb is, if applicable, a 3-digit hexadecimal MVS system completion code aaa (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The 4-digit code bbbb, which follows aaa is, if applicable, a user abend code produced by the external CICS interface. If the user abend code is not applicable, this field is filled with four hyphens.

System action
An exception entry is made in the external CICS interface internal trace table, and to the GTF trace dataset (if GTF is active), and a SYSMDUMP is taken.
The external CICS interface terminates the current request, and attempts to recover to a consistent state so that further EXCI requests can be serviced.
For an application using the EXCI CALL API, a response of EXCI_SYSTEM_ERROR with a REASON of ESTAE_INVOKED is returned to the application.
For an application using the EXCI EXEC API, an EXEC_RESP of LINKERR is returned to the application, together with an EXEC_RESP2 of ESTAE_INVOKED or EXEC_ESTAE_INVOKED, depending on whether the call level ESTAE routine, or the EXEC level ESTAE routine was invoked.

User response
Look up the MVS code aaa, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.
If applicable, see the description of abend code bbbb for further guidance.
You may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHXCPRH, DFHXCEIP

Destination
Console

<table>
<thead>
<tr>
<th>DFHEX0002</th>
<th>A severe error (code X'code') has occurred in module modname.</th>
</tr>
</thead>
</table>

Explanation
An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System action
An exception entry is made in the EXCI internal trace table and to GTF if it is active, (X'code' in the message). A system dump is taken.
This is a critical error and the EXCI request is terminated. The external CICS interface attempts to recover to a consistent state so that further EXCI requests can be issued. For applications using the EXCI CALL API, the EXCI_REASON returned to the application indicates the reason for the error. For applications using the EXCI EXEC API, the reason is...
User response
This failure indicates a serious error in the external CICS interface code. For further information about the EXCI exception trace entries, refer to the Troubleshooting and support.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHXCPRH, DFHXCEIP

Destination
Console


Explanation
This message accompanies message DFHEX0001 and will provide the jobname, stepname, proname, Sysid in SMF and applid to which the EXCI job is connecting to. If an insert value is unknown or not specified then the message insert will read Unknown. For example, proname and stepname are not mandatory in an EXCI job, if they were omitted and DFHEX0004 was issued then the inserts for proname and stepname will read Unknown.

System action
Follow system action for DFHEX0001.

User response
Follow user response for DFHEX0001.

Module:
DFHXCPRH, DFHXCEIP

Destination
Console


Explanation
This message accompanies some occurrences of DFHEX0002. This message contains values for the jobname, stepname, proname and the sysid in SMF, of the EXCI job. In addition the applid of the CICS region connected to, and the CICS transid involved are shown. If a value for jobname, stepname, proname, sysid in SMF, or applid is unknown or not specified it will read 'Unknown' in the message. For example, proname and stepname are not mandatory in an EXCI job, if they are omitted and this message is issued, the values for proname and stepname will read Unknown.

User response
Look up the MVS GETMAIN return code rc in the relevant MVS codes manual.

If the reason is insufficient storage, try increasing the size of the region for the batch EXCI job.

You may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHXCPRH, DFHXCTRI

Destination
Console

DFHEX0003 A GETMAIN request in module modname (code X'code') has failed. Reason X'rc'.

Explanation
An MVS GETMAIN was issued by module modname, but it failed with return code rc.

The code X'code' is the exception trace point ID which uniquely identifies the place where the MVS GETMAIN was issued.

System action
An exception entry is made in the EXCI internal trace table (code X'code' in the message). This is a critical error and the EXCI request is terminated. The external CICS interface attempts to recover to a consistent state so that further EXCI requests can be issued.

For applications using the EXCI CALL API, the EXCI_REASON returned to the application indicates the point of failure.

For applications using the EXCI EXEC API, the point of failure is returned in the EXEC_RESP2 field of the RETCODE area.

For EXCI_REASON and EXCI_RESP of 603, the EXCI module DFHXCPRH also issues abend 0410 which drives the ESTAE exit. Message DFHEX0001 is issued and a SYSMDUMP is taken.

User response
Look up the MVS GETMAIN return code rc in the relevant MVS codes manual.

If the reason is insufficient storage, try increasing the size of the region for the batch EXCI job.
**System action**
Follow system action for DFHEX0002.

**User response**
Follow user response for DFHEX0002.

**Module:**

**Destination**
Console

DFHEX0100 The installed level of CICS SVC does not support the EXCI call.

**Explanation**
The external CICS interface module DFHXCPRH detected that the level of CICS SVC (DFHCSVC) in use does not support the external CICS interface.

**System action**
The EXCI request is terminated. An exception trace is made in the EXCI internal trace table, and if GTF is active, in the GTF trace data set. The external CICS interface module DFHXCPRH issues abend 0407 which drives the ESTAE exit. Message DFHEX0001 is issued, and a SYSMDUMP is taken.

**User response**
Check the level of DFHCSVC installed in the LPA. A CICS/ESA 4.1 level of DFHCSVC is required for the external CICS interface. Generally, the latest level of DFHCSVC must be used when running CICS and the external CICS interface. For more information about installing DFHCSVC see the Installing CICS TS.

**Module:**
DFHXCPRH

**Destination**
Console

DFHEX0110 EXCI SDUMP has been taken. Dumpcode: dumpcode, Dumpid: dumpid.

**Explanation**
This message is issued on successful completion of a MVS SDUMP issued by external CICS interface module DFHXCDMP. An error, signalled by a previous message, caused a call to be made to DFHXCDMP to take a system dump.

The dump code dumpcode is an 8-character system dump code identifying the external CICS interface problem. A system dump code is the EXCI message number with the DFH prefix removed.

dumpid is the unique 9-character string identifying this dump.

**System action**
The EXCI request is terminated.

**User response**
See the EXCI message indicated by dumpcode for further guidance.

You may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHXCDMP.

**Destination**
Console

**DFHEX0101** Unable to start interregion communication because DFHIRP level check failed.

**Explanation**
The call to DFHIRP to check DFHIRP's service level has failed.

This is probably because the version of DFHIRP being used is at a lower level than that of the External CICS Interface (EXCI) module DFHXCPRH. A less likely reason is that a failure occurred before DFHIRP could make the level check.

**System action**
The EXCI allocate pipe request is rejected. A return code is passed back to the batch application.

**User response**
Ensure that the correct level of DFHIRP exists in the LPA such that it matches the level of the latest CICS version in use.

**Module:**
DFHXCPRH

**Destination**
Console

DFHEX0110 EXCI SDUMP has been taken. Dumpcode: dumpcode, Dumpid: dumpid.
**DFHEX0111** EXCI SDUMP attempted but SDUMP is busy - will retry every five seconds for nnnn seconds.

**Explanation**

At the time of the MVS SDUMP request issued by DFHXCDMP another address space in the same MVS system was in the process of taking an SDUMP. This causes MVS to reject the new request. A nonzero value for the dump retry parameter in the DFHXCOPT table means that the external CICS interface waits five seconds before retrying the SDUMP request. If necessary, the external CICS interface retries every five seconds for the total time specified on the retry parameter.

**System action**

The external CICS interface issues an MVS STIMERM macro which causes it to wait for five seconds. The request is reissued when the delay interval has expired.

**User response**

None.

**Module:** DFHXCDMP.

**Destination**

Console

**DFHEX0112** SDUMP request failed - reason X’nn’.

**Explanation**

An MVS SDUMP request issued from the external CICS interface has failed to complete successfully. The possible reasons, (reason), for the failure are as follows:

- **ONLY PARTIAL DUMP**
  The SYS1.DUMP data set to which the dump is written is not large enough to contain all of the dumped storage.

- **SDUMP BUSY**
  At the time of the MVS SDUMP request issued by the EXCI, another address space in the same MVS system was in the process of taking an SDUMP. This causes MVS to reject the new request. If a nonzero value is specified for the dump retry parameter in DFHXCOPT table, the EXCI has retried the SDUMP request every five seconds for the specified period. This message is only issued if SDUMP is still busy after the final retry.

**STIMERM FAILED**

In order to delay for five seconds before retrying SDUMP after an SDUMP BUSY condition, the EXCI issues an MVS STIMERM macro request. MVS has indicated that the STIMERM request has failed.

**NO DATA SET AVAILABLE**

No SYS1.DUMP data sets were available at the time the SDUMP request was issued.

**REJECTED BY MVS, REASON = X’nn’**

MVS has rejected the SDUMP request because of user action (for example, specifying DUMP=NO in the MVS IPL) or because of an I/O error or terminating error in the SDUMP routine. X’nn’ is the SDUMP reason code.

**NOT AUTHORIZED FOR EXCI**

SDUMP is not authorized for the external CICS interface.

**INSUFFICIENT STORAGE**

The EXCI issued an MVS GETMAIN for subpool 253 storage during the processing of the SDUMP request. The GETMAIN has been rejected by MVS.

**System action**

The EXCI proceeds as if the dump had been successful.

**User response**

The user response depends on the reasons, (reason), for the failure.

- **ONLY PARTIAL DUMP**
  Increase the size of the SYS1.DUMP data sets and cause the SDUMP request to be reissued.

- **SDUMP BUSY**
  Cause the SDUMP to be reissued after, if appropriate, increasing the dump retry time in DFHXCOPT.

- **STIMERM FAILED**
  Use MVS problem determination methods to fix the STIMERM failure and then cause the SDUMP request to be reissued.

- **NO DATA SET AVAILABLE**
  Clear a SYS1.DUMP data set and then cause the SDUMP request to be reissued.
REJECTED BY MVS, REASON = X'nn'

No action is required if the dump is suppressed deliberately. If the dump has failed because of an error in the MVS SDUMP routine, use MVS problem determination methods to fix the error and then cause the SDUMP request to be reissued. See the z/OS MVS Programming: Authorized Assembler Services Reference (Volume 1) for an explanation of the SDUMP reason code X'nn'.

NOT AUTHORIZED FOR EXCI

This reason is unlikely because SDUMP is unconditionally authorized during EXCI initialization, and should be authorized throughout the EXCI run. If you do get this reason, the EXCI AFCB (authorized function control block) has probably been accidentally overwritten.

INSUFFICIENT STORAGE

Ensure sufficient storage is available to MVS for subpool 253 requests.

Module:
DFHXCDMP

Destination
Console

DFHEX0113 EXCI trace Initialization has failed.

Explanation
An attempt to initialize external CICS interface (EXCI) trace facilities during EXCI initialization has failed.

System action
The EXCI request continues without trace facilities. An earlier message identifies the cause of the failure.

User response
Refer to the earlier message to determine the cause of the failure.

Module:
DFHXCTRI

Destination
Console

DFHEX0115 EXCI trace services have been disabled due to a previous error.

Explanation
An error occurred in the external CICS interface (EXCI) trace module DFHXCTRP indicated by message DFHEX0001. In trying to recover from the error, module DFHXCTRI determined that the error was not caused by accessing incorrect data passed to DFHXCTRP, but was due to a program check in DFHXCTRP.

System action
The EXCI trace facilities are disabled to prevent further errors. A SYSMDUMP is taken.

User response
See the DFHEX0001 message and the SYSMDUMP to determine the cause of the error.

Module:
Module: DFHXCTRI

Destination
Console

DFHEX0116 Program check occurred within global trap exit - DFHXCTRA now marked unusable.

Explanation
After making a trace entry, the external CICS interface (EXCI) trace program DFHXCTRP called the EXCI field engineering global trap program DFHXCTRA. A program check occurred during execution of DFHXCTRA.

System action
The EXCI marks the currently active version of DFHXCTRA as unusable and ignores it on subsequent calls to DFHXCTRP for all subsequent calls made under this TCB. The EXCI request is terminated, and a SYSMDUMP is taken.

User response
Use the dump to find the cause of the program check.
You may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

You should use the global trap exit only in consultation with an IBM support representative.

Module: DFHXCCR

Destination
Console

DFHEX0400 Channel storage exceeds 5% of MEMLIMIT.

Explanation
The EXCI has refused to store data in a Container because the total storage allocated for the Channel will exceed 5% of MEMLIMIT.

System action
EXCI abends the transaction with code 0417.

User response
Review the storage requirements for the PROGRAM. If the volume of data is correct, either delete any unnecessary Containers from the Channel, or increase MEMLIMIT so that the program does not use more than 5% of the storage available.

Module: DFHXCTRI

Destination
Console

DFHFCnnnn messages

DFHFC0001 applid An abend (code aaaa/bbbb) has occurred at offset X’offset’ in module modname.

Explanation
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code.
Alternatively,
• Unexpected data has been input, or
• Storage has been overwritten.

The code aaaa/bbbb is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.
Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Then look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some further guidance.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHFCAT, DFHFCCA, DFHFCDN, DFHFCDTS, DFHFCDTX, DFHFces, DFHFcfl, DFHFCfr, DFHFCFS, DFHFCIR, DFHFCFL, DFHFCJ, DFHFCMT, DFHFCQI, DFHFCQR, DFHFCQS, DFHFCQ, DFHFCRC, DFHFCRL, DFHFCBU, DFHFCRO, DFHFCRP, DFHFCRR, DFHFCRS, DFHFCRV, DFHFCSD, DFHFCST, DFHFCVR, DFHFCVS

**XMEOUT parameters/Message inserts**
1. *applid*
2. *aaa/bbbb*
3. *X'offset'*
4. *modname*

**Destination**
Console

DFHFC0002 *applid A severe error (code X'code') has occurred in module modname.*

**Explanation**
An error has been detected in module *modname*. The code *code* is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

To discover the cause of the problem, examine the exception trace entry and immediately preceding entries. For further information about CICS exception trace entries, see the Troubleshooting and support.

**System action**
An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHFCAT, DFHFCCA, DFHFCDN, DFHFCDTS, DFHFCDTX, DFHEIFC, DFHFces, DFHFcfl, DFHFCfr, DFHFCFS, DFHFCIR, DFHFCFL, DFHFCJ, DFHFCMT, DFHFCOR, DFHFCQI, DFHFCQ, DFHFCQS, DFHFCQ, DFHFCRC, DFHFCRL, DFHFCBU, DFHFCRO, DFHFCRP, DFHFCRR, DFHFCRS, DFHFCRV, DFHFCSD, DFHFCST, DFHFCVR, DFHFCVS

**XMEOUT parameters/Message inserts**
1. *applid*
2. *X'code'*
3. *modname*

**Destination**
Console

DFHFC0003 *applid Insufficient storage (code X'code') in module modname.*

**Explanation**
A CICS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.
The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

**System action**
An exception entry is made in the trace table (code code in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from the domain manager, for example), and look up the user response for these messages.

If CICS is still running, the problem may be a temporary one which rights itself if more storage becomes available. If you can manage without module modname, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try increasing the size limits of the DSAs or EDSAs. See the Configuring or the Improving performance for further information on CICS storage.

**Module**: DFHFCRP

**XMEOUT parameters/Message inserts**
1. applid
2. X'code'
3. modname

**Destination**
Console

DFHFC0004 applid A possible loop has been detected at offset X'offset' in module modname.

**Explanation**
A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

**System action**
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname is terminated and CICS continues.

But if you have declared ICVR=0 as a system initialization parameter and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will require further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module**: DFHFCAT, DFHFCDN, DFHFCDTS, DFHFCDTX, DFHFCFR, DFHFCFS, DFHFCMT, DFHFCLR, DFHFCRP, DFHFCSD, DFHFCST, DFHFCVR, DFHFCVS

**XMEOUT parameters/Message inserts**
1. applid
2. X'offset'
A hardware error has occurred (module modname, code X'code'). The Time-of-Day clock is invalid.

**Explanation**

A hardware error has occurred during the running of module modname. The MVS store clock facility is the timing mechanism for the operating system.

The code code is the exception trace point ID which uniquely identifies the place where the error was detected.

**System action**

An exception entry (code code in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message to this effect is issued.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer. This is in all probability a hardware error and you should in the first instance investigate the MVS store clock and find out whether it is working properly. If this is the case, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will require further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

**XMEOUT parameters/Message inserts**

1. applid
2. modname
3. X'code'

---

**Destination**

Console

DFHFC0005 applid A hardware error has occurred (module modname, code X'code'). The Time-of-Day clock is invalid.

**Explanation**

This is an informational message indicating the start of file control initialization.

**System action**

Initialization continues.

**User response**

None. You can suppress this message with the system initialization parameter, MSGLEVEL=0.

**Module:**

DFHFCRP

**XMEOUT parameters/Message inserts**

1. applid

---

**Destination**

Console

DFHFC0100I applid File Control initialization has started.

**Explanation**

File control initialization has completed successfully.

**System action**

Initialization continues.

**User response**

None. You can suppress this message with the system initialization parameter, MSGLEVEL=0.

**Module:**

DFHFCRP

**XMEOUT parameters/Message inserts**

1. applid

---

**Destination**

Console

DFHFC0102 applid File Control initialization has failed.
Explanation
File control has failed to initialize correctly.

System action
Message DFHSI1521 is usually issued and initialization is terminated.
If the failure occurred at a critical stage during file control initialization, CICS initialization is terminated immediately with a dump, and message DFHSI1521 is not issued.

User response
The error can be identified by a trace entry, and possibly by a prior message. You should then take action that is appropriate to the error.
Module:
DFHFCRP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHFC0103 applid Required module modname could not be loaded.

Explanation
Module modname is required by file control. It could not be loaded because it is missing from the DFHRPL library list.

System action
The system terminates with a system dump and code FC0103.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Ensure that module modname is in the DFHRPL library list.
If this is not the cause of the problem you will require further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.
Module:
DFHFCIN1, DFHFCRP, DFHFCFS

XMEOUT parameters/Message inserts
1. applid
2. modname

Destination
Console

DFHFC0104 applid Unexpected catalog error.

Explanation
File control issued a request to the catalog (CC) domain which failed. This is probably caused by an I/O error on the catalog.

System action
A system dump is produced with code FC0104.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Determine the cause of the error from the messages issued from the catalog domain.
Module:
DFHFCRP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHFC0106 applid Insufficient storage to satisfy GETMAIN request in module modname.

Explanation
The storage (SM) domain has insufficient space to satisfy a GETMAIN request made during CICS initialization.

System action
A system dump is produced.

User response
None.
Module:
DFHFCRP
**XMEOUT parameters/Message inserts**

1. **applid**
2. **modname**

**Destination**

Console

**DFHFC0107D**  
**applid** Unable to load File Control table DFHFCTxx. Enter either an alternative suffix, or **YES**, or **NO**.

**Explanation**

The file control table, DFHFCTxx could not be found in the DFHRPL library list during a cold or initial start of CICS.

**System action**

File control initialization waits for a reply to this message.

**User response**

Reply as follows:

- With a 1 or 2 character suffix to cause file control to load DFHFCTxx, or
- **YES** to load an unsuffixed FCT, or
- **NO** to initialize file control without an FCT.

**Module:**

DFHFCRP

**XMEOUT parameters/Message inserts**

1. **applid**
2. **xx**
3. **YES**
4. **NO**

**Destination**

Console

**DFHFC0108**  
**applid** Invalid reply to message DFHFC0107D. A 1 or 2 character suffix, or **YES** or **NO** is required.

**Explanation**

The reply to message DFHFC0107 was invalid. The reply may have been too long or may have contained invalid characters.

**System action**

Message DFHFC0107 is reissued and initialization waits for a reply.

**User response**

Reply to message DFHFC0107.

**Module:**

DFHFCRP

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**

Console

**DFHFC0110**  
**applid** Error, a xxxx version of DFHFCTxx has been loaded.

**Explanation**

DFHFCRP loaded DFHFCTxx that was assembled for CICS release xxxx. It is not valid to run CICS with an FCT assembled against a previous release.

**System action**

File control initialization, and hence CICS, is terminated.

**User response**

Reassemble DFHFCTxx for the CICS release being used. Cold start CICS.

**Module:**

DFHFCRP

**XMEOUT parameters/Message inserts**

1. **applid**
2. **xxxx**
3. **DFHFCTxx**

**Destination**

Console

**DFHFC0111**  
**applid** Error, CICS is attempting to initialize with release xxxx of DFP.
DFHFCRP detected that CICS was being initialized with data facility product (DFP) level xxxx. CICS does not support this level of DFP.

**System action**
File control initialization, and hence CICS, is terminated.

**User response**
Install a level of DFP supported by this release of CICS.

**Explanation**
Callable service IGWARLS is required by file control for processing files which have update SERVREQs and are using the VSAM catalog as a repository for data set recovery attributes. The load of IGWARLS requested by file control initialization has failed. This is a serious problem because CICS is using a level of VSAM that supports use of the VSAM catalog for specifying data set recovery attributes.

**System action**
CICS initialization fails.

**User response**
IGWARLS is supplied on SYS1.CSSLIB. Ensure that SYS1.CSSLIB is in the concatenation for the MVS linklist or LPA. If the failure persists, this is likely to be an internal CICS error. See Working with IBM to solve your problem for guidance on how to proceed.

**Explanation**
Callable service IGGCSI00 is required by file control for examining catalog entries for data sets. The load of IGGCSI00 requested by file control initialization has failed.

**System action**
CICS initialization fails.

**User response**
IGGCSI00 is supplied on SYS1.CSSLIB. Ensure that SYS1.CSSLIB is in the concatenation for the MVS linklist or LPA. If the failure persists, this is likely to be an internal CICS error. See Working with IBM to solve your problem for guidance on how to proceed.
linklist or LPA. If the failure persists, this is likely to be an internal CICS error. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

**XMEOUT parameters/Message inserts**

1. `applid`
2. `X'eeee'`

**Destination**

Console

**DFHFC0150**

*date time applid termid tranid*  
An attempt to release locks for unit of work `X'uowid'` failed. VSAM return code `X'rrrr'` reason code `X'cccc'`.

**Explanation**

Unit of work `uowid` for tranid `tranid` has attempted to release its RLS locks. The release locks request made to VSAM has failed because VSAM detected an error.

The IDALKREL response is `rrrr` and the reason code is `cccc`.

`termid` identifies the terminal running this transaction.

**System action**

CICS continues with the completion of the unit of work.

The unit of work is shunted. The shunt reason indicates that a further release locks attempt is required.

Some records may remain locked until a successful lock release command can be processed by VSAM.

If the failure is caused by the SMSVSAM server being unavailable, CICS automatically retries the completion of the UOW when the server becomes available.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Use the VSAM codes to determine the cause of the problem. The most likely cause of this failure is that the SMSVSAM server failed at the time of the error.

For the meaning of the VSAM codes, see z/OS DFSMS Macro Instructions for Data Sets.

When the condition that caused the lock release to fail has been resolved, you may need to retry the unit of work using

```sql
CEMT SET DSNAME RETRY
```

or

```sql
EXEC CICS SET DSNAME(dsname) ACTION(RETRY)
```

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHFCCA

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `termid`
5. `tranid`
6. `X'uowid'`
7. `X'rrrr'`
8. `X'cccc'`

**Destination**

CSFL and Console

**DFHFC0151**

*date time applid termid tranid*  
An attempt to retain locks for unit of work `X'uowid'` failed. VSAM return code `X'rrrr'` reason code `X'cccc'`.

**Explanation**

Unit of work `uowid` for transaction `tranid` has gone indoubt because it has lost contact with its coordinating system. Consequently CICS has attempted to convert all RLS locks owned by this unit of work into retained locks. This attempt has failed because VSAM has detected an error.

The IDARETLK macro response is `rrrr` and the reason code is `cccc`.

`termid` identifies the terminal running this transaction.

**System action**

CICS continues shunting this unit of work. It is possible that some locks may remain as active locks (which cause other transactions to wait until their
timeout value is reached) rather than as retained locks (which cause other transactions to encounter LOCKED responses.)

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Use the VSAM codes to determine the cause of the problem. For the meaning of the VSAM codes, see z/OS DFSMS Macro Instructions for Data Sets. The most likely reason for the failure to convert locks into retained locks is that the SMSVSAM server was not available. Other VSAM codes may indicate a more severe error.

Normally no other action should be necessary. When contact is reestablished, the coordinating system instructs this system to commit or backout. At the end of commit or backout, all retained and active locks are released.

A problem that you may encounter is that some locks may have been left as active locks. This may cause slow response (and eventual failures) from transactions that wait for these locks and have to wait for their full timeout interval.

In this case, you can use the CEMT SET UOW command to force the unit of work to commit or backout, or to make a decision to commit or backout according to the ACTION attribute in the transaction definition. Alternatively, you can use the CEMT SET DSNAME command which will force all in-doubt units of work which had updated the specified data set. However, you should not normally use these commands because they can cause this CICS to become out of step with its coordinating system with consequent loss of data integrity.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHFCCA

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. X'uowid'
7. X'rrrr'
8. X'cccc'

Destination
CSFL and Console

DFHFC0152  
*date time applid termid tranid*  
An attempt to retain locks for data set within unit of work X'uowid' failed. VSAM return code X'rrrr' reason code X'cccc'.

Explanation

Unit of work uowid for transaction tranid has failed backout for one of its data sets. CICS has attempted to convert all the RLS locks owned by this unit of work that are associated with the failing data set into retained locks. This attempt has failed because VSAM has detected an error.

The IDARETLK response is rrrr and the reason code is cccc.

termid identifies the terminal running this transaction.

This message is followed by message DFHFC0312 which identifies the failing data set.

System action

CICS continues shunting this unit of work. Some locks may remain as active locks (which cause other transactions to wait until their timeout value is reached) rather than as retained locks (which cause other transactions to encounter LOCKED responses).

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Use the VSAM codes to determine the cause of the problem. For the meaning of the VSAM codes, see z/OS DFSMS Macro Instructions for Data Sets.

The most likely reason for the failure to convert locks into retained locks is that the SMSVSAM server was not available. It is also possible to get a failure because the specified logical unit of work ID does not exist for the subsystem (that is, the unit of work does not hold any locks) during lost locks recovery, or after a CICS restart which specified OFFSITE=YES as a system initialization override. If you are performing RLS lost locks recovery, message DFHFC0555 will have been issued when lost locks recovery started; if you are performing RLS offsite recovery, message DFHFC0574 will have been issued during file control initialization. Other VSAM codes may indicate a more severe error.
Normally no other action is necessary. When the condition that caused the backout failure has been resolved, the backout of this unit of work is retried. If the attempt to retry the backout succeeds, all locks are released.

Message DFHFC4701 specifies the cause of the backout failure. The most common cause of backout failures is a hardware problem causing I/O errors. In this case the data set needs to be restored and forward recovered. If CICSVR (or a functionally equivalent product) is used to perform forward recovery, and the data set was being accessed in RLS mode, units of work that have failed backout for this data set are retried automatically. If the data set was quiesced, you need to unquiesce it to allow the backout to succeed. When the data set is unquiesced, CICS automatically retries the backout.

Backouts may also be retried using

```
CEMT SET DSNAME RETRY
```

or

```
EXEC CICS SET DSNAME(dsname) ACTION(RETRY)
```

The only problem that you may encounter is that some locks may have been left as active locks. This can cause a slow response (and eventual failures) from transactions that wait for these locks and have to wait for their full timeout interval.

In this case, consider releasing all locks held against this data set using the CEMT SET DSNAME RESETLOCKS command. This command should only be considered in extreme cases because it discards both the retained locks held by this CICS system against the named data set and all associated log records. The consequence is that the corresponding backout operations are never performed and data integrity is lost.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHFCCA

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid

**Destination**

CSFL and Console

**DFHFC0153** applid The previous instance of the SMSVSAM server has failed. File control RLS access is being closed down.

**Explanation**

The SMSVSAM server is the separate VSAM address space that handles all VSAM requests made in RLS mode. The instance of this address space which CICS has been using has terminated, and CICS has just detected the failure. CICS must close down all accesses from file control to this instance of the SMSVSAM server in order to be able to register with the next server instance when the server restarts.

If message DFHFC0568 is issued before DFHFC0153, CICS did not detect the failure until the server restarted and notified CICS that a new instance was available. If message DFHFC0568 is not issued before DFHFC0153, CICS detected the failure when it tried to access the failed instance of the server.

**System action**

CICS disables all further RLS accesses, closes all files which were open in RLS mode, and attempts to unregister the RLS control ACB.

Transactions that attempt to access files previously opened in RLS mode abend. The abend code depends upon what the transaction was doing at the time of the failure.

**User response**

The SMSVSAM server address space should normally restart itself. If it does not, restart the SMSVSAM server address space manually. If the SMSVSAM server address space fails to restart, there may be a more severe error. In this case, you need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHFCCA

**Chapter 2. CICS messages** 775
XMEOUT parameters/Message inserts

1. applid

Destination

Console

DFHFC0156  
applid A failure to reset the \PERMITNONRLSUPDATE\ state has occurred. Vsam return code X'rrrr' reason code X'cccc'.

Explanation

CICS has completed processing after a \PERMITNONRLSUPDATE\ batch override response was returned by VSA M when CICS issued an RLS open. The call to VSA M from CICS to reset the state so that it is no longer in batch override status has failed.

The VSA M response is rrrr and the VSA M reason is cccc.

This message is followed by message DFHFC0312 which identifies the failing data set.

System action

CICS takes a system dump.

User response

To resolve the problem, keep the dump and contact your IBM Support Center.

Module:

DFHFCCA

XMEOUT parameters/Message inserts

1. applid
2. X'rrrr'
3. X'cccc'

Destination

Console

DFHFC0157  
applid tranid termid userid An I/O error has occurred on base data set dsname accessed via file filename component code X'code'.

Explanation

An I/O error has been reported by VSA M after a request to update VSA M file filename.

The name of the base data set associated with the file is dsname although the error may have been encountered elsewhere. This is indicated by the value of the component code X'code'. Its possible values and the corresponding error locations are as follows.

- X'00' or X'01' - Base cluster.
- X'02' or X'03' - Alternate index.
- X'04' or X'05' - Upgrade set.

System action

The application request which encountered the error receives an 'IOERR' response.

CICS also issues message DFHFC0158 to display the VSA M diagnostic information for this error.

User response

Follow standard procedure for I/O errors. No special additional action is required to respond to this particular message although the data set name and component code may help in identifying the problem.

Module:

DFHFCRS

XMEOUT parameters/Message inserts

1. applid
2. tranid
3. termid
4. userid
5. dsname
6. filename
7. X'code'

Destination

Console

DFHFC0158  
applid vsam-error-data

Explanation

This message displays additional VSA M diagnostic information that is available following I/O errors and cache failures. The message is provided for information only.

The format of the data contained in message DFHFC0158 is described in z/OS DFSMS Macro Instructions for Data Sets. in the section describing the physical error message format. This is a common data format used by other IBM products following I/O errors.
This message is issued after messages DFHFC0157, DFHFC0162 and DFHFC0163 and provides additional information to go with those messages.

**System action**

Processing continues.

**User response**

See the description of the associated preceding message (DFHFC0157, DFHFC0162 or DFHFC0163.)

**Module:**

DFHFCRS, DFHFCVS

**XMEOUT parameters/Message inserts**

1. applid
2. vsam-error-data

**Destination**

Console

DFHFC0159  applid A request issued to cold start the RLS subsystem has failed. VSAM return code X'rrrr' reason code X'cccc'.

**Explanation**

A cold or initial start of CICS has been requested, or CICS has been started with OFFSITE=YES specified as a system initialization parameter. CICS has made a call to the RLS component of VSAM which requested RLS to cold start its status with respect to this CICS. This request has failed because VSAM RLS detected an error while performing cold start processing.

**System action**

CICS continues to initialize. However, the restart of the RLS component of file control has failed and all RLS eligible files are unusable.

No dump is taken with this message. However, file control restart may subsequently produce message DFHFC0001 and take a dump if the error is of a type which should not occur during normal running.

**User response**

If the VSAM return code indicates that the SMSVSAM server has failed, restart the SMSVSAM server (if it has not already automatically restarted). You also need to restart CICS because CICS has been warm started with respect to RLS when the server returns.

If the SMSVSAM server has not failed, this is probably an error in CICS or VSAM. You should keep the dump associated with message DFHFC0001. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHFCCA

**XMEOUT parameters/Message inserts**

1. applid
2. X'rrrr'
3. X'cccc'

**Destination**

Console

DFHFC0160  applid An attempt to notify VSAM that CICS has completed lost locks processing for a data set has failed. VSAM return code X'rrrr' reason code X'cccc'.

**Explanation**

Following a failure of the VSAM lock structure, VSAM has marked a data set as being in lost locks state with regard to this CICS. CICS has performed all recovery actions necessary to resolve its locks against this data set and has attempted to inform VSAM that it has completed its recovery. This attempt has failed.

The VSAM response is rrrr and the VSAM reason is cccc.

This message is followed by message DFHFC0312 which identifies the failing data set.

**System action**

If the VSAM return code does not indicate that the SMSVSAM server has failed, CICS takes a system dump.

**User response**

The most likely cause of this failure is that the SMSVSAM server failed at the time that CICS issued the request.

If the problem was caused by the SMSVSAM server having failed at the time that the request was issued, restart the SMSVSAM server (if it has not already automatically restarted). Otherwise, you can make CICS retry the attempt to notify VSAM of the completion of lost locks processing either by restarting CICS or by restarting the SMSVSAM server.
It is possible that your installation may have performed some action, such as deleting the data set, which would cause VSAM not to recognize the data set and therefore return an error. If this is the case for the data set named in message DFHFC0312, you need take no further action.

If the VSAM return and reason codes suggest an internal CICS or VSAM error, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHFCCA

XMEOUT parameters/Message inserts
1. applid
2. X'rrrr'
3. X'cccc'

Destination
Console

DFHFC0161 applid Inquire recovery has failed. VSAM return code X'rrrr' reason code X'cccc'.

Explanation
During restart CICS has issued an inquire recovery request to VSAM. This request has failed because VSAM has detected an error.

System action
CICS restart continues. All RLS files are unusable.

If the VSAM return code does not indicate that the SMSVSAM server has failed, CICS later issues message DFHFC0001 which has an associated system dump.

User response
The most likely cause of this failure is that the SMSVSAM server failed at the time that CICS issued the request. In that case you should restart the SMSVSAM server, if it has not already automatically restarted. There is no need to restart CICS.

If the VSAM return and reason codes indicate an internal CICS or VSAM error, keep the dump from message DFHFC0001. You will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHFCCA
Connectivity to a VSAM RLS data cache has been lost.

**Explanation**

Connectivity has been lost to a data cache that is being used by VSAM RLS.

**System action**

The application request which encountered the error receives an 'IOERR' response.

CICS also displays message DFHFC0158 to display the VSAM diagnostic information for this error. The name of the failing cache can be derived from the information displayed in the following DFHFC0158 message.

While the data cache remains unusable, all data sets bound to this cache are also unusable. Any attempt to read from or write to such a data set receives an 'IOERR' response.

CICS issues messages DFHFC0163 and DFHFC0158 the first time that an I/O request fails because contact has been lost between the processor running this MVS image and the coupling facility that holds the data cache. To prevent flooding the console with messages, CICS does not display these messages again until it is notified that a cache has been recovered. If contact with several caches is lost, messages DFHFC0163 and DFHFC0158 are only displayed for the first cache to fail. However, VSAM issues messages for all caches for which contact has been lost.

**User response**

Reestablish contact between the processor running CICS and the coupling facility that contains the cache. CICS is notified as soon as contact has been reestablished and is able to take appropriate recovery action.

**Module:**

DFHFCRS

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**

Console
• They may be trying to access resources from both VSAM RLS and another resource manager, creating an inter-resource manager deadlock.

**Module:**
DFHFCRS

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. trannum
6. termid
7. userid
8. nn

**Destination**

CSFL

**DFHFC0165**  
*date time applid tranid trannum termid userid*. Transaction *transid (tasknum)* unit of work *X’uowid’* running in job *jobname* with applid *applid2* in MVS *mvsid* holds {add to end lock | internal lock | exclusive lock on key | shared lock on key} *X’keyid’* in data set *dsname* causing {true / false} contention.

**Explanation**

This message and the preceding message DFHFC0164 or DFHFC0174 are issued to assist in problem determination when transactions abend with the AFCV or AFCW abend codes, or when applications receive the RECORDBUSY condition.

Normally this message appears after VSAM returns a timeout response to CICS. However, it may also appear after VSAM returns a deadlock response to CICS when that deadlock arises as a result of a failure to promote a lock. When this message is associated with a timeout response from VSAM, it is preceded by message DFHFC0164. When this message is associated with a deadlock response from VSAM it is associated with message DFHFC0174.

There is one occurrence of message DFHFC0165 for each transaction currently owning the required lock.

The message inserts that identify the owner of the lock which caused this transaction to time out are as follows:

• *transid* is the name of the transaction running in the system that owns the lock. If the job that holds the lock is not a CICS system, this is displayed as "????".

• *tasknum* is the task number of *transid*. If the job that holds the lock is not a CICS system, this is displayed as "?????".

• *uowid* is the unit of work ID associated with the above transaction. The unit of work ID is also used by VSAM RLS as its logical unit of work ID (luwid).

• *jobname* is the job name of the CICS system that owns the lock.

• *applid2* is the applid of the CICS system whose job name was given by the previous insert.

• *mvsid* is the name of the MVS in which this CICS is running.

• *dsname* is the name of the data set against which the lock is held.

• *keyid* identifies the key which is locked. As it is not always possible to display keys in character form, the key is displayed in hexadecimal notation. If the message indicates that the transaction is waiting for an add to end lock or an internal lock, no key information is displayed.

The message identifies whether the lock is held as an exclusive lock or a shared lock:

• A lock is exclusive if it can only have one holder. For example, exclusive locks are used to protect update operations.

• A lock is shared if it can have many holders. Shared locks are used to protect repeatable and consistent read operations.

A lock causes true contention if the request was for a lock against the locked key. A lock causes false contention if the request was for a lock against a different key but the lock requests clashed because of the RLS key hashing algorithm which is used when the key length exceeds 16 characters.

**System action**

This message is preceded by DFHFC0164 or DFHFC0174. See the description of DFHFC0164 or DFHFC0174 for a description of the system action associated with this message.

**User response**

This message is preceded by DFHFC0164 or DFHFC0174. See the description of DFHFC0164 or
An attempt made by transaction tranid to update a file which is open in VSAM RLS mode has failed because VSAM RLS detected that this request would have caused a deadlock with other transactions.

At the time that the timeout occurred there were \( nn \) other transactions or Transactional VSAM units of recovery in the chain which caused deadlock.

**System action**

The application request which encountered the error receives an AFCW abend.

CICS issues message DFHFC0166 to identify the failing transaction and the number of transactions or units of recovery in the deadlock chain.

CICS also issues message DFHFC0167 or DFHFC0177 once for each transaction or unit of recovery involved in the deadlock chain. DFHFC0167 and DFHFC0177 identify the resource that the transaction or unit of recovery is holding and the resource that the transaction is waiting for.

**User response**

Examine the transactions or units of recovery in the deadlock chain to determine why deadlock arose. If necessary, correct the programming logic to avoid deadlock-creating situations.

For guidance on writing programs that avoid deadlock problems, see the Developing CICS Applications.

**Module:**

DFHFCRS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. trannum
6. termid
7. userid
8. transid
9. tasknum
10. X'uowid'
11. jobname
12. applid2
13. mvsid
14. Value chosen from the following options:
   - 1=\text{add to end lock}
   - 2=\text{internal lock}
   - 3=\text{exclusive lock on key}
   - 4=\text{shared lock on key}
15. X'keyid'
16. dsname
17. Value chosen from the following options:
   - 1=true, 2=false

**Destination**

CSFL

DFHFC0166  
\[ \text{date time applid tranid termid userid. VSAM RLS has detected a deadlock. There are } nn \text{ transactions or Transactional VSAM units of recovery in the deadlock chain.} \]

**Explanation**

This message and the following DFHFC0167 or DFHFC0177 messages are issued to assist in problem determination when transactions abend with AFCW abend codes.
Explanation
This message and the preceding DFHFC0166 message are issued to assist in problem determination when transactions abend with AFCW abend codes.

The preceding message DFHFC0166 reports that a deadlock has been detected and includes how many transactions exist in the deadlock chain.

Message DFHFC0167 is issued once for each transaction in the deadlock chain and includes the resource that transaction holds and which resource it is waiting for.

The message inserts are as follows:

- `transid(tasknum)` is the transaction name and the associated task number of a transaction that owns a lock and is waiting for another lock. If this participant in the deadlock chain is not a CICS system, this will appear as `????(?????)`.
- `uowid` is the unit of work ID associated with task `transid(tasknum)`. The unit of work is also used by VSAM as the logical unit of work ID (luwid).
- `jobname/applid2` is the job name and applid of the CICS system in which this transaction is running.
- `mvsid` is the name of the MVS in which this CICS job is running.
- `dsname1` is the name of the data set against which this transaction holds a lock.
- `key1` identifies the key which is locked. As it is not always possible to display keys in character form, the key is displayed in hexadecimal notation. If the message indicates that an add to end lock or an internal lock is held then no key information is displayed.
- `dsname2` is the name of the data set against which this transaction is attempting to acquire a lock.
- `key2` identifies the key which this transaction is attempting to lock. If the message indicates that the transaction is attempting to obtain an add to end lock or an internal lock then no key information is displayed.

The message identifies whether the lock is held as an exclusive lock or a shared lock and whether the transaction is attempting to acquire an exclusive or shared lock.

[782 CICS TS for z/OS: CICS Messages]
Destination
CSFL

DFHFC0168  date time applid tranid trannum termid userid.
{ An exclusive | A shared} lock on key X'keyid' in data set dsname is causing {true | false} contention but the owner of this lock is unknown.

Explanation
This message and the preceding DFHFC0164 message are issued to assist in problem determination when transactions abend with AFCV abend codes.

Message DFHFC0168 is issued whenever VSAM RLS is unable to determine the owner of a lock. This is an abnormal condition. It may indicate that a processor in the sysplex is stopped.

dsname is the name of the data set against which the lock is held. keyid identifies the key which is locked.

As it is not always possible to display keys in character form, the key is displayed in hexadecimal notation.

The message identifies whether the lock is held as an exclusive lock or a shared lock.

• A lock is exclusive if it can only have one holder. For example, exclusive locks are used to protect update operations.

• A lock is shared if it can have many holders. Shared locks are used to protect repeatable and consistent read operations.

A lock causes true contention if the request was for a lock against the locked key. A lock causes false contention if the request was for a lock against a different key but the lock requests clashed as a result of hashing algorithms used in creating RLS keys.

System action
Processing continues.

User response
None. The message is issued to assist in problem determination.

Module:
DFHFCRS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CSFL

DFHFC0169  date time applid termid userid. Transaction tranid with transaction number trannum encountered an RLS retained lock held on data set dsname by unit of work X'uowid' within CICS with applid applid2.

Explanation
An attempt was made to update a record which is currently held locked by a retained RLS lock.

Message inserts are as follows:

• applid2 is the applid of the CICS system which owns the lock.

• uowid is the identifier of the unit of work that owns the lock.

• dsname is the name of the data set against which the lock is held.

This message is issued to aid in problem diagnosis. It identifies the owner of the lock that is causing a request to fail with a 'LOCKED' response.

System action
The application request which encountered the error receives a 'LOCKED' response.

User response
If repeated LOCKED responses are causing a problem, note the name of the CICS system and the identifier of the unit of work and attempt to find why this unit
of work is holding a retained lock. There are three reasons why a unit of work can hold a retained lock.

1. The unit of work was running in a CICS system that has failed. If this CICS system is restarted, the lock is normally released.
2. The unit of work has gone indoubt. Indoubt failures occur as a result of a failure in communication between two CICS systems, neither of which need be the CICS system that is encountering the "LOCKED" response.

   From a terminal connected to the CICS system with applid applid2, issue the command

   ```
   CEMT I UOW(uowid)
   ```

   or

   ```
   CEMT I UOWDSNFAIL
   ```

   to identify the applid of the CICS system that is coordinating the distributed unit of work. Then attempt to reestablish contact between the coordinating CICS and the system that owns the lock.

3. The unit of work has failed backout. From a terminal connected to the CICS system with applid applid2, issue the command

   ```
   CEMT INQUIRE UOWDSNFAIL DATASET(dsname)
   ```

   to determine the reason why unit of work uowid failed backout while processing data set dsname. There are several reasons why a unit of work can fail backout, each identified by a different reason code from CEMT INQUIRE UOWDSNFAIL. See the Troubleshooting and support for guidance on how to resolve each of these types of backout failure.

Module:
DFHFCRS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. userid
6. tranid
7. trannum
8. dsname
9. X'uowid'
10. applid2

Destination

CSFL

DFHFC0170 applid An attempt to release locks which are held by RLS but unknown to CICS has failed.

Explanation

An attempt was made to release locks which are held on behalf of this CICS system by the VSAM RLS lock manager, but about which CICS has no knowledge. Such locks are known as "orphan" locks. The attempt to release the locks failed, either because the VSAM RLS server is not available or because there were no locks to release.

System action

CICS continues. The locks are automatically released after the VSAM RLS server becomes available again.

The presence of these "orphan" locks could prevent the running of non-RLS applications against the data sets which hold such locks. "Orphan" locks can also cause LOCKED responses to be returned to applications running on CICS systems which have access to an available VSAM RLS server and try to update the locked records, or try to read the records with one of the read integrity options.

Since CICS has no knowledge of "orphan" locks, it is not possible to get information about them using CICS API commands.

User response

If the failure is due to the server not being available, wait for the VSAM RLS server to restart. If it does not restart automatically, determine the reason and attempt to start it manually.

If the failure is due to there being no locks to release, this could either be a result of some user action resulting in locks being deleted such as deleting the data set, or it could indicate a severe VSAM error. If user action is not responsible, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHFCRR

XMEOUT parameters/Message inserts

1. applid
**Destination**

Console

**DFHFC0171 applid** Lost locks recovery might be delayed by inflight transactions.

**Explanation**

A coupling facility (CF) lock structure failure has occurred, and SMSVSAM has been unable to rebuild the lock structure dynamically. This has resulted in the loss of VSAM RLS locks. SMSVSAM has notified CICS of this event so that CICS can perform lost locks recovery processing. In the course of this processing, CICS has attempted to purge inflight transactions that hold one or more of the lost locks in order to expedite recovery from the lost locks condition. However, it has not been possible to purge all of the transactions.

RLS lost locks recovery cannot complete until all UOWs that have updated data sets in RLS mode are completed. It is unlikely that an inflight transaction can complete normally in a lost locks situation because it will abend at the next attempt to access RLS. CICS attempts to purge inflight transactions because allowing them to run to completion (when they will probably abend anyway) could take a long time. This is particularly the case for conversational transactions.

**System action**

CICS continues.

If the failure to purge a transaction is due to a severe error, message DFHFC0002 is issued and a dump is taken.

**User response**

It may not be necessary to take any action because the purging of transactions is only a precautionary measure.

This message indicates that there are inflight UOWs that have not yet completed only when there are data sets that return a LOSTLOCKS value of RECOVERLOCKS after you have resolved any failed units of work that had updated the data sets. (See the EXEC CICS INQUIRE DSNAMe(?) command for information about the LOSTLOCKS parameter.)

If it is possible to identify the transactions in question, either ensure that they run to normal completion, or attempt to force purge them using the CEMT main terminal command. However, as this should be a rare situation, consider performing an immediate shutdown of CICS followed by an emergency restart as an alternative solution. This causes all inflight transactions to be backed out.

**Module:**

DFHFCRR

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

**DFHFC0172 applid** File control is unable to return to processing on the QR TCB because a change mode request has failed. CICS will terminate.

**Explanation**

Normally most CICS functions are run on a TCB called the QR TCB. Exceptionally, file control issues OPEN and CLOSE requests on a TCB called the FO TCB. File control may also process VSAM read and write requests on a TCB called the CO TCB if SUBTSKS=1 has been specified in the SIT.

After completing its work on the RO or CO TCB, file control must return to processing on the QR TCB. In order to return to the QR TCB, file control has issued a CHANGE_MODE call to the CICS dispatcher. This request has failed.

**System action**

This is a severe error. CICS is unable to continue processing because it must be running on the QR TCB in order to do so. CICS is terminated with a dump.

The dispatcher domain has put out messages to describe the failure in the CHANGE_MODE request.

**User response**

See the messages issued by the dispatcher domain for further guidance.

**Module:**

DFHFCRO, DFHFCCA, DFFCRV, DFHFCFS

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

**DFHFC0173** date time applid VSAM has issued a {deadlock | timeout | locked}
After certain failures, VSAM normally provides problem determination information which CICS uses to issue diagnostic messages and create exception trace entries.

However, although VSAM set a return code indicating that a failure occurred, it is unable to provide any problem determination information.

The failure detected by VSAM RLS is one of the following:

- A deadlock - CICS normally issues message DFHFC0166 and two or more DFHFC0167 or DFHFC0177 messages.
- A timeout - CICS normally issues message DFHFC0164 and one or more DFHFC0165 or DFHFC0175 messages.
- A record locked by a retained lock - CICS normally issues message DFHFC0169 or DFHFC0179.

CICS continues processing the error in the normal way but cannot issue any of the normal problem determination messages or create the usual exception trace entries.

CICS does not take a dump. However, you can request a dump via the dump table in the usual way.

This indicates an error in VSAM RLS. You may wish to take a dump of the SMSVSAM server. See the appropriate DFSMS/MVS manual for further guidance.

Module:
DFHFCRS

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. Value chosen from the following options:
   1. deadlock,  
   2. timeout,  
   3. locked

---

**Destination**

| CSFL | date time applid tranid trannum termid userid | A deadlock has occurred as a result of a lock promote failure. There are nnn transactions or Transactional VSAM units of recovery holding this lock. |

**Explanation**

This message and the following DFHFC0165 or DFHFC0175 messages are issued to assist in problem determination when transactions abend with the AFCW abend code or receive RECORDBUSY response as NOSUSPEND was specified.

An attempt made by transaction tranid with transaction number tranum to update a file which is open in VSAM RLS mode has failed because VSAM has detected a deadlock while attempting to promote a shared lock to become an exclusive lock.

VSAM RLS returns problem determination information to CICS to assist with debugging the deadlock. However, this type of deadlock looks to VSAM like a timeout and thus the information returned to CICS looks like the information returned after a timeout. Hence this message is followed by one or more DFHFC0165 or DFHFC0175 messages instead of the DFHFC0167 messages which follow other types of deadlocks.

When the deadlock occurred there were nnn other transactions or Transactional VSAM units of recovery holding the required lock.

**System action**

The transaction receives an AFCW abend or RECORDBUSY response.

CICS displays message DFHFC0174 to identify the failing transaction and the number of owners of the lock. CICS also issues message DFHFC0165 or DFHFC0175 once for each lock owner. CICS issues message DFHFC0168 instead of DFHFC0165 or DFHFC0175 in the unlikely event that VSAM RLS is unable to identify the lock owner.

**User response**

The following DFHFC0165 or DFHFC0175 messages identify the transactions that are holding the required lock and the CICS systems that they are running in, or the units of recovery which are holding the locks and the Transactional VSAM instances they are running.
in, respectively. Examine these transactions or units of recovery to determine why they are not releasing VSAM RLS locks. Examine other RLS resources they acquire to determine whether this could cause a deadlock with the failing transaction.

**Module:**
DFHFCRS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. trannum
6. termid
7. userid
8. nnn

**Destination**
CSFL

**DFHFC0175**  
*date time applid tranid trannum termid userid.*  
Transactional VSAM unit of recovery X'urid' running in job *jobname* on Transactional VSAM instance *TVSInstance* in MVS *mvsid* holds {add to end lock | internal lock | exclusive lock on key | shared lock on key} X'keyid' in data set *dsname* causing {true | false} contention.

**Explanation**

This message and the preceding message DFHFC0164 or DFHFC0174 are issued to assist in problem determination when transactions abend with the AFCV or AFCW abend codes, or when applications receive the RECORDBUSY condition.

Normally this message appears after VSAM returns a timeout response to CICS. However, it may also appear after VSAM returns a deadlock response to CICS when that deadlock arises as a result of a failure to promote a lock. When this message is associated with a timeout response from VSAM, it is preceded by message DFHFC0164. When this message is associated with a deadlock response from VSAM it is associated with message DFHFC0174.

There is one occurrence of message DFHFC0175 for each unit of recovery currently owning the required lock.

The name of the transaction that has failed is *tranid* and it has task number *trannum*.

The message inserts that identify the owner of the lock which caused this transaction to time out are as follows:

- *urid* is the unit of recovery id running in the Transactional VSAM instance which owns the lock.
- *jobname* is the job name of the CICS system that owns the lock.
- *TVSInstance* is the name of the Transactional VSAM instance whose job name was given by the previous insert.
- *mvsid* is the name of the MVS in which this Transactional VSAM instance is running.
- *dsname* is the name of the data set against which the lock is held.
- *keyid* identifies the key which is locked. As it is not always possible to display keys in character form, the key is displayed in hexadecimal notation. If the message indicates that the transaction is waiting for an add to end lock or an internal lock, no key information is displayed.

The message identifies whether the lock is held as an exclusive lock or a shared lock:

- A lock is exclusive if it can only have one holder. For example, exclusive locks are used to protect update operations.
- A lock is shared if it can have many holders. Shared locks are used to protect repeatable and consistent read operations.

A lock causes true contention if the request was for a lock against the locked key. A lock causes false contention if the request was for a lock against a different key but the lock requests clashed because of the RLS key hashing algorithm which is used when the key length exceeds 16 characters.

**System action**

This message is preceded by DFHFC0164 or DFHFC0174. See the description of DFHFC0164 or DFHFC0174 for a description of the system action associated with this message.

**User response**

This message is preceded by DFHFC0164 or DFHFC0174. See the description of DFHFC0164 or DFHFC0174 for a description of the user actions associated with this message.

**Module:**
DFHFCRS
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. trannum
6. termid
7. userid
8. X'userid'
9. jobname
10. TVSInstance
11. mvsid
12. Value chosen from the following options:
   1=add to end lock ,
   2=internal lock ,
   3=exclusive lock on key ,
   4=shared lock on key
13. X'keyid'
14. dsname
15. Value chosen from the following options:
   1=true,
   2=false

Destination
CSFL

DFHFC0177 date time applid tranid termid userid. Transactional VSAM unit of recovery id X'userid' running in jobname/TVSInstance in MVS mvsid holds {add to end lock | internal lock | exclusive lock on key | shared lock on key} X'key1' on data set dsname1 and is waiting for {add to end lock | internal lock | exclusive lock on key | shared lock on key} X'key2' on data set dsname2.

Explanation
This message and the preceding DFHFC0166 message are issued to assist in problem determination when transactions abend with AFCW abend codes.

The preceding message DFHFC0166 reports that a deadlock has been detected and includes how many units of recovery exist in the deadlock chain.

Message DFHFC0177 is issued once for each unit of recovery in the deadlock chain and includes the resource that unit of recovery holds and which resource it is waiting for.

The message inserts are as follows:

- urid is the unit of recovery ID which owns a lock and is waiting for another lock.
- jobname/TVSInstance is the job name and TVS instance in which this unit of recovery is running.
- dsname1 is the name of the data set against which this unit of recovery holds a lock.
- key1 identifies the key which is locked. As it is not always possible to display keys in character form, the key is displayed in hexadecimal notation. If the message indicates that an add to end lock or an internal lock is held then no key information is displayed.
- dsname2 is the name of the data set against which this unit of recovery is attempting to acquire a lock.
- key2 identifies the key which this unit of recovery is attempting to lock. If the message indicates that the unit of recovery is attempting to obtain an add to end lock or an internal lock then no key information is displayed.

The message identifies whether the lock is held as an exclusive lock or a shared lock and whether the unit of recovery is attempting to acquire an exclusive or shared lock.

- A lock is exclusive if it can only have one holder. For example, exclusive locks are used to protect update operations.
- A lock is shared if it can have many holders. Shared locks are used to protect repeatable and consistent read operations.

System action
The application request which encountered the error receives an AFCW abend.

User response
See the description of message DFHFC0166.

Module:
DFHFCRS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
System action

The application request which encountered the error receives a ‘LOCKED’ response.

User response

If repeated LOCKED responses are causing a problem, note the name of the Transactional VSAM instance and the identifier of the unit of recovery and attempt to find out why the unit of recovery is holding a retained lock. The Transactional VSAM unit of recovery may have failed or suffered backout failure. If the Transactional VSAM application has failed the lock will normally be released if the application is rerun. If the Transactional VSAM application has suffered backout failure you will need to use Transactional VSAM procedures to perform backout failure retry in order to release the lock.

Module:

DFHFCRS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. userid
6. tranid
7. trannum
8. dsname
9. X'urid'
10. TVSInstance

Explanation

This message provides a record of the dynamic allocation of the file filename to the data set dataset. Module module.

System action

Processing continues.

User response

None.
Module: DFHFCN, DFHFCRO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=RLS,
   2=Non-RLS
5. filename
6. dataset
7. module

Destination
CSFL

DFHFC0201 date time applid {RLS | Non-RLS} file filename has been deallocated. Module module.

Explanation
This message provides a record of the dynamic deallocation of the file filename.

System action
Processing continues.

User response
None.

Module: DFHFCN, DFHFCRO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=RLS,
   2=Non-RLS
5. filename
6. module

Destination
CSFL

DFHFC0202 date time applid terminal userid tranid Resource definition for FILE filename has been added.

Explanation
This message provides the system with a record of the dynamic addition of resource definition, filename.

System action
Processing continues.

User response
None.

Module: DFHFCMT.

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. filename

Destination
CSFL

DFHFC0203 date time applid terminal userid tranid Resource definition for FILE filename has been deleted.

Explanation
This message provides a record of the dynamic deletion of resource definition filename.
This occurs when a file, which already exists in the system, is being installed using RDO. It should be followed by message DFHFC0202 indicating that the new file definition has been added.

System action
Processing continues.
User response
None.

Module: DFHFCMT.

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. filename

Destination
CSFL

DFHFC0204  date time applid terminal userid tranid Resource definition for FILE filename has been updated.

Explanation
This message provides a record of updates to a resource definition other than OPEN, CLOSE, ENABLE and DISABLE.

System action
Processing continues.

User response
None.

Module: DFHFCMT.

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. filename

Destination
CSFL

DFHFC0205  date time applid terminal userid tranid SHRCTL block for LSR pool Isrpool has been updated.

Explanation
A SHRCTL block exists for VSAM LSR pools 1-255 and is updated by an RDO install of an LSRPOOL object.

System action
Processing continues.

User response
None.

Module: DFHFCRL.

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. lsrpool

Destination
CSFL

DFHFC0208I  applid LSR pool n is being built dynamically by CICS because all of the necessary parameters have not been supplied. Either there is no LSRPOOL definition or it is incomplete. The following are not defined: 'CISIZE' 'STRINGS' 'MAXKEYLENGTH'. A delay is possible.

Explanation
If one or more of the parameters, CI size, strings and maxkeylength are not defined for a LSR pool, either because there is no LSRPOOL definition or it is incomplete, then CICS will calculate the size by using information from the VSAM Catalog for data sets allocated to this LSR pool.
**System action**

CICS will issue SHOWCATS to obtain the information necessary to calculate the LSR pool size. If any data sets have been migrated the SHOWCAT could take longer than expected.

**User response**

If there are severe delays due to SHOWCAT processing, you will have to wait for migrated data sets to be recalled, and for the calculation of the LSR pool size to complete. If you wish to avoid similar problems in the future, consider defining the LSR pool explicitly. The missing parameters are contained in this message.

Normally, you will not experience delays, in which case no user action is required.

You can suppress this message with the system initialization parameter, MSG_LVL=0.

**Module:**

DFHFC

**XMEOUT parameters/Message inserts**

1. **applid**
2. **filename**

**Destination**

Console

**Explanation**

User exit XFCRLSCO is active and ran because RLS file `filename` is being opened. The user exit replied with a return code of UERCBYP. This return code means that a non-RLS file has read-only access and is already open against the same data set. The non-RLS file must stay in read-only mode to continue to access the data set while the RLS file is open.

**System action:**

**User response:**

**Module:**

DFHFC

**XMEOUT parameters/Message inserts**

1. **applid**
2. **filename**

**Destination**

Console

**Explanation**

User exit XFCRLSCO is active and ran because non-RLS file `filename` is being opened. The user exit replied with a return code of UERCBYP. This return code means that the non-RLS file has read-only access and is already open against the same data set. The non-RLS file must stay in read only mode to continue to access the data set while the RLS file is open.

**System action:**

**User response:**

**Module:**

DFHFC

**XMEOUT parameters/Message inserts**

1. **applid**
2. **filename**

**Destination**

Console

**Explanation**

An attempt has been made to purge a transaction using FORCE. Transaction `tranid` is currently waiting for completion of an I/O operation on the VSAM file `filename`. `termid` identifies the terminal running this transaction. The data set name appears in message DFHFC0305 which follows this message.

**System action**

The transaction waits until the I/O operation is completed before the purge is allowed to take effect. This is done to avoid a risk to data integrity. After the I/O completes the transaction is terminated with transaction abend code AFCY.
User response

If the transaction does not terminate within a few seconds, it may be that the I/O wait is genuine (for example, another CEC has reserved the DASD volume). If this is the case, wait until the I/O situation is relieved before trying again.

Alternatively, there may be a system problem that warrants terminating CICS and using emergency restart to guarantee data integrity. If this is the case, terminate CICS and perform an emergency restart.

Module: DFHFCVR

XMEOUT parameters/Message inserts

1. applid
2. tranid
3. termid
4. filename

Destination

Console

DFHFC0301 applid (tranid termid) purge deferred due to incomplete I/O operation on BDAM file 'filename'.

Explanation

An attempt has been made to purge a transaction using FORCE. Transaction tranid is currently waiting for completion of an I/O operation on the BDAM file filename. termid identifies the terminal running this transaction. The data set name appears in message DFHFC0305 which follows this message.

System action

The transaction waits until the I/O operation is completed before the purge is allowed to take effect. This is done to avoid a risk to data integrity. After the I/O operation is completed, the transaction is terminated with transaction abend code AFCY.

User response

If the transaction does not terminate within a few seconds, the I/O wait might be genuine (for example, another CEC has reserved the DASD volume). If this is the case, wait until the I/O situation is relieved before trying again.

Alternatively, there may be a system problem that warrants terminating CICS and using emergency restart to guarantee data integrity. If this is the case, terminate CICS and perform an emergency restart.

Module: DFHFCBD

XMEOUT parameters/Message inserts

1. applid
2. tranid
3. termid
4. filename

Destination

Console

DFHFC0302 applid (tranid termid) CICS terminating. Failure while waiting for I/O operation on VSAM file 'filename'.

Explanation

A DISASTER type error occurred when the transaction tranid was waiting for the completion of an I/O operation on the VSAM file whose file name and data set name appear in message DFHFC0305 which follows this message. termid identifies the terminal running this transaction.

System action

CICS is terminated with a system dump (dump code FC0302).

User response

This problem was caused by an earlier error. Look for earlier messages and return codes (for example, from the dispatcher domain) and associated trace entries and dumps.

If the problem cannot be traced to an application error, you will require further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHFCVR

XMEOUT parameters/Message inserts

1. applid
2. tranid
3. termid
4. filename
Destination
Console
DFHFC0303 applid (tranid termid) CICS terminating. Failure while waiting for I/O operation on BDAM file 'filename'.

Explanation
A DISASTER type error occurred when transaction tranid was waiting for the completion of an I/O operation on BDAM file filename.

termid identifies the terminal running this transaction.

System action
CICS is terminated with a system dump (dump code FC0303).

User response
This problem was caused by an earlier error. Look for earlier messages and return codes (for example, from the dispatcher domain) and associated trace entries and dumps.

If the problem cannot be traced to an application error, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHFCBD

XMEOUT parameters/Message inserts
1. applid
2. tranid
3. termid
4. filename

Destination
Console
DFHFC0304 applid Dump taken in module_name due to a file control OPEN/CLOSE error.

Explanation
This message is issued after DFHFCFS has made an OPEN or CLOSE request which has completed with an error. The specific error is identified by another message. In most cases the other message appears before this message, but if the error occurs during the building of a shared resources pool, the other message appears after this message.

The failure is identified as one of the following:
- An invalid request (not OPEN or CLOSE) has been sent
- There has been a subtask failure
- There has been a system failure other than "DSNAME NOT FOUND" or "VSAM CATALOG DOMAIN NOT FOUND".
- There has been a failure during shared resources pool building.

System action
A trace entry is made and a dump is taken with dumpcode FC0304.

User response
Locate the fault by examining the trace entry and the dump.

Module:
DFHFL, DFHFCM, DFHFCN

XMEOUT parameters/Message inserts
1. applid
2. module_name

Destination
Console
DFHFC0305 applid Message msgno file 'filename' dsname 'dataset'.

Explanation
This message follows message DFHFC0300, DFHFC0302, DFHFC0307, DFHFC0308 or DFHFC0309. It identifies the VSAM data set name referred to in those messages.

If this message follows DFHFC0300 or DFHFC0302, it is issued from DFHFCVR.
If this message follows DFHFC0308 or DFHFC0309, it is issued from DFHFCRV.
If this message follows DFHFC0307, it is issued from DFHFCVS.

System action
Processing continues in the way specified in the preceding message from the list above, whichever is applicable.
User response

Find the earlier message to which this information refers and follow the user response for that message.

Module:
DFHFCVR, DFHFCVS, DFHFCRV

XMEOUT parameters/Message inserts

1. applid
2. msgno
3. filename
4. dataset

Destination
Console

DFHFC0307 applid I/O error on file 'filename', component code X'code'. File is temporarily disabled.

Explanation

An I/O error was reported by VSAM after a request to update VSAM file filename.

The file has been specified with LSR so VSAM has not released the buffers it assigned to process the request. Therefore, CICS must take special action to release them.

The name of the data set associated with the file is in message DFHFC0305 which follows, although the error may have been encountered elsewhere. This is indicated by the value of the component code X'code'. Its possible values and the corresponding error locations are as follows.

- X'00' or X'01' - base cluster.
- X'02' or X'03' - alternate index.
- X'04' or X'05' - upgrade set.

System action

Activity against the file is stopped. The file is closed, then reopened in an attempt to release the VSAM output buffers. Further action might be required, see user response section.

Until the close has completed successfully, the file appears UNENABLED to new, potential users. They receive a NOTOPEN response to requests to use the file. The application request which encountered the error receives an I0ERR response.

User response

The installation should follow the standard procedure for I/O errors. The data set name and component code might help in identifying the problem. To fully release the VSAM LSR output buffers, it might be necessary to close every file in this CICS region that uses the same LSRPOOL, and subsequently reopen those files. If that is not possible, then you should consider restarting CICS, to reclaim the full complement of buffers.

If there are sufficient buffers defined, subsequent requests are not prevented from processing normally after an I0ERR response. You should close all the LSRPOOL files or restart CICS as soon as possible.

Module:
DFHFCVS

XMEOUT parameters/Message inserts

1. applid
2. filename
3. X'code'

Destination
Console

DFHFC0308 applid tranid termid Purge deferred due to incomplete I/O operation on VSAM RLS file filename

Explanation

An attempt has been made to purge a transaction using FORCE. Transaction tranid is currently waiting for completion of an I/O operation on the VSAM RLS file filename. termid identifies the terminal running this transaction. The data set name is included in message DFHFC0305 which follows this message.

System action

The transaction waits until the I/O operation is completed before the purge is allowed to take effect. This is done to avoid a risk to data integrity. After the I/O operation is completed, the transaction is terminated with transaction abend code AFCY.

User response

If the transaction does not terminate within a few seconds, the I/O wait might be genuine (for example, another CEC has reserved the DASD volume). If this is the case, wait until the I/O situation is relieved before trying again.
Alternatively, there may be a system problem that warrants terminating CICS and using emergency restart to guarantee data integrity. If this is the case, terminate CICS and perform an emergency restart.

**Module:**
DFHFCRV

### XMEOUT parameters/Message inserts
1. applid
2. tranid
3. termid
4. filename

### Destination
Console

**DFHFC0309** applid tranid termid Failure while waiting for I/O operation on VSAM RLS file filename

### Explanation
A DISASTER type error occurred when the transaction tranid was waiting for the completion of an I/O operation on the VSAM RLS file filename

### System action
CICS returns to VSAM who completes the wait for the I/O operation on CICS behalf. Since VSAM rather than CICS completes the wait for I/O to complete, there may be a significant degradation in CICS performance until the operation completes.

### User response
This problem was caused by an earlier error. Look for earlier messages and return codes (for example, from the dispatcher domain) and associated trace entries and dumps.

If the problem cannot be traced to an application error, you will require further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHFCRV

### XMEOUT parameters/Message inserts
1. applid
2. tranid
3. termid
4. filename

### Destination
Console

**DFHFC0310** applid tranid termid Purge deferred due to incomplete I/O operation on the RLS control ACB.

### Explanation
An attempt has been made to purge a transaction using FORCE. Transaction tranid is currently waiting for completion of an I/O operation on the VSAM RLS control ACB.

termid identifies the terminal running this transaction.

### System action
The transaction waits until the I/O operation is completed before the purge is allowed to take effect. This is done to avoid a risk to data integrity. After the I/O operation is completed, the transaction is terminated with transaction abend code AFCY.

### User response
If the transaction does not terminate within a few seconds, the VSAM wait might be genuine (for example, certain requests may take a fairly long time to complete). If this is the case, wait until the VSAM request has completed before trying again.

Alternatively, there may be a system problem that warrants terminating CICS and using emergency restart to guarantee data integrity. If this is the case, terminate CICS and perform an emergency restart.

**Module:**
DFHFCCA

### XMEOUT parameters/Message inserts
1. applid
2. tranid
3. termid

### Destination
Console

**DFHFC0311** applid tranid termid Failure waiting for I/O operation on the RLS control ACB.

### Explanation
A DISASTER type error occurred when the transaction tranid was waiting for the completion of an I/O operation on the VSAM RLS control ACB.
System action

CICS returns to VSAM and VSAM completes the wait for the I/O operation on CICS behalf. Since VSAM rather than CICS completes the wait for I/O to complete, there may be a significant degradation in CICS performance until the operation completes.

User response

This problem was caused by an earlier error. Look for earlier messages and return codes (for example, from the dispatcher domain) and associated trace entries and dumps.

If the problem cannot be traced to an application error, you will require further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHFCCA

XMEOUT parameters/Message inserts

1. applid
2. tranid
3. termid

Destination

Console

DFHFC0312 applid Message msgno data set dsname

Explanation

This message follows message DFHFC0152 or DFHFC0160. It identifies the VSAM data set name referred to in those messages.

System action

Processing continues as specified in either DFHFC0152, or DFHFC0160.

User response

Find the earlier message to which this information refers and follow the user response for that message.

Module: DFHFCCA

XMEOUT parameters/Message inserts

1. applid
2. msgno

DFHFC0313I applid VSAM has returned an error with an RPL feedback - return code : X'rc' component code : X'cc' error code : X'ec' for file : filename and dsname : dataset The data set may be out of synch with its Alternate Indices.

Explanation

VSAM has returned an error for VSAM file filename.

An ILLOGIC response is returned to the application.

This is indicated by the value of the component code X'cc'. Its possible values and the corresponding error locations are as follows:

- X'00' or X'01'?base cluster.
- X'02' or X'03'?alternate index.
- X'04' or X'05'?upgrade set.

System action

An ILLOGIC response is returned to the application.

User response

You may need to delete, redefine and re-build your alternate indices based on this file.

Module: DFHFCVS

XMEOUT parameters/Message inserts

1. applid
2. X'rc'
3. X'cc'
4. X'ec'
5. filename
6. dataset

Destination

Console

DFHFC0314I applid VSAM has insufficient LSR buffers to fully backout the failed request.
Explanation
VSAM has returned an error for VSAM file mentioned in DFHFC0313 and an error code of X'98'.
An ILLOGIC response is returned to the application.
The error code indicates that VSAM has insufficient LSR buffers to backout the failed request fully.

System action
An ILLOGIC response is returned to the application.

User response
Increase the allocation of LSR buffers. You may also need to delete, redefine and re-build your alternate indices based on this file.

Module:
DFHFCVS

XMEOUT parameters/Message inserts
1. applid

Destination
Console
DFHFC0400 applid This CICS system is not authorized to provide shared access to data tables - reason code X'code'.

Explanation
CICS is about to open a data table but has been unable to make provision for sharing the table with other CICS systems because a security check for update access to the resource name DFAPPL.applid has failed. The value of the reason code, X'code', provides further information on the reason for the failure of the security check. It has the format X'ffrraaaa' where ff identifies the authorization check which failed, rr gives the register 15 return code from SAF, and aaaa is the SAFPRRET value.
The values of X'ff' are
X'01'
Access was refused by an AUTH security check.
X'02'
Access was refused by a FASTAUTH security check.

System action
CICS continues normally but no other CICS systems are able to share any data tables it creates until authority is granted and a table is subsequently opened.

User response
Ensure that CICS has the necessary authorization to provide shared access to data tables. Refer to the description of either the AUTH or FASTAUTH macro in the RACF documentation for explanations of the values that were reported in the reason code, X'code', and to determine the changes to the security definitions or setup that are required to allow the CICS system to act as a shared data table server (assuming that this is desired).

Module:
DFHFCFS

XMEOUT parameters/Message inserts
1. applid
2. X'code'

Destination
Console
DFHFC0401 applid This CICS system is now authorized to provide shared access to data tables.

Explanation
CICS is about to open a data table. On a previous occasion message DFHFC0400 was issued because authorization checks failed preventing this CICS system from making provision for sharing its data tables with any other CICS system. The check has been retried successfully.

System action
CICS continues normally. Subject to specific authorization checks, other CICS systems are now able to share this system's data tables.

User response
None.

Module:
DFHFCFS
XMEOUT parameters/Message inserts

1. applid

Destination
Console

DFHFC0402  applid CICS cannot provide shared access to data tables because CICS is not defined as an MVS subsystem.

Explanation
CICS is about to open a data table but has been unable to make provision for sharing the table with other CICS systems because CICS has not been defined as an MVS subsystem.

System action
CICS continues normally but no other CICS systems are able to share any data tables it creates.

User response
CICS must be defined as an MVS subsystem in order to permit the sharing of data tables between CICS systems.

Module:
DFHFCFS

XMEOUT parameters/Message inserts

1. applid

Destination
Console

DFHFC0403  applid CICS cannot provide shared access to remote data tables because CICS is not defined as an MVS subsystem.

Explanation
CICS is about to access a remote file resource. However, shared data tables cannot be used to access any remote tables because CICS has not been defined as an MVS subsystem.

If this message is issued on a CICS system at release 3.2.1, it means that the shared data tables module DFHDTINS is installed in the LPA or in the load library used by this CICS system, and has therefore been loaded by mistake.

System action
CICS continues normally and function ships this and subsequent remote file requests.

User response
CICS must be defined as an MVS subsystem in order to permit the sharing of data tables between CICS systems.

If the message was issued by a CICS/ESA 3.2.1 system, check where the DFHDTINS module is located. If DFHDTINS is in the load library specified by this CICS, it should be removed: shared data tables support cannot be installed on a CICS system at a lower level than 3.3. If it is in the link pack area (LPA) of this MVS system, it should be removed: the DFHDTINS module should not be placed in the LPA of an MVS system which contains any CICS regions at release 3.2.1 which might want to use data tables, unless a PTF has been applied to the CICS 3.2.1 regions.

Module:
DFHFCFS

XMEOUT parameters/Message inserts

1. applid

Destination
Console

DFHFC0405  applid This CICS system cannot provide shared access to data tables because an earlier job step has used MVS cross-memory services.

Explanation
CICS is prevented from using shared data tables because of the use of MVS cross-memory services by an earlier job step. CICS has attempted to create an entry table during LOGON as a shared data table server, but this has resulted in an MVS 052 ABEND because a prior jobstep owned space-switching entry tables. (MVS does not allow subsequent job steps to establish a cross-memory environment.)
System action
CICS continues normally but other CICS systems are unable to gain shared access to any data tables that this CICS system creates.

User response
In order to use the shared access to data tables feature, review the sequence of job steps in the job which includes this CICS system.

See the Introduction to shared data tables and also the explanation of system abend code 052, reason code 0314 in z/OS MVS System Codes for more guidance.

Module:
DFHFCFS

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHFC0406 applid This CICS system is not authorized for shared access to any data tables owned by the CICS system with applid applid2 - reason code X'code'.

Explanation
A file request for a remote file resource is about to be passed to a CICS system with the specified applid. The remote system has registered as a shared data table server, but this system cannot access any of its tables because a security check for read access to the resource name DFHAPPL.applid2 has failed, where applid2 is the applid of the data table owning CICS system. The value of the reason code, X'code', provides further information on the reason for the failure of the bind security check. It has the format X'ffraaa' where ff identifies the authorization check which failed, rr gives the register 15 return code from SAF, and aaaa is the SAFPRRET value.

The values of X'ff' are
X'01'
Access was refused by an AUTH security check.
X'02'
Access was refused by a FASTAUTH security check.

System action
CICS continues normally and function ships this and subsequent requests directed to the specified remote system until authority is granted. Access is retried after about 10 minutes.

User response
If it was intended that this CICS system should be able to access data tables owned by the system applid2, refer to the description of either the AUTH or FASTAUTH macro in the RACF documentation for explanations of the values that were reported in the reason code, X'code', and to determine what changes to the security definitions or setup are required.

Module:
DFHFCFS

XMEOUT parameters/Message inserts
1. applid
2. applid2
3. X'code'

Destination
Console

DFHFC0407 applid This CICS system is now authorized for shared access to data tables owned by the CICS system with applid applid2.

Explanation
The security check which failed earlier and was reported in message DFHFC0406, has now succeeded. This system can now attempt to access shared data tables owned by the CICS system with applid applid2.

System action
CICS continues normally. Subject to specific resource authorization checks, shared data tables owned by the remote CICS system can now be accessed by this system.

User response
None.

Module:
DFHFCFS

XMEOUT parameters/Message inserts
1. applid
2. applid2

**Destination**

Console

DFHFC0408  *applid* This CICS system is not authorized for shared access to remote file *filename* - reason code *X'code'*.  

**Explanation**

A file request to the specified remote file resource has just been processed. The file owning region contains shared data tables. An attempt was made to connect to any data table associated with the file but the connecting region failed the security check for shared access to the file resource. However, function shipped access was not similarly prevented.

This message can be issued whether or not the remote file has an associated data table. This is because it is not possible to determine whether a table exists until cross-memory linkage has been established to the file owning region, and this is only done after a connection attempt has passed all security checks. Once cross-memory linkage has been set up, any further connection attempts can first check whether a table exists. The shared access security check is then only needed when a data table is known to be available.

The value of the reason code, *X'code'*, provides further information on the reason for the failure of the file security check. It has the format *X'ffrraaaa'*; where *ff* identifies the userid that was refused access, *rr* gives the register 15 return code from SAF, and *aaaa* is the SAFPRRET value.

The values of *X'ff'* are

**X'01'**

The requesting system's own userid was refused read access to the remote file *filename*.

**X'02'**

The default userid of the CICS system which owns the remote file *filename* was used in the security check for read access to the file, and access was refused.

**System action**

CICS continues normally and function ships this and subsequent requests directed to the specified remote file until authority to use shared access is granted. Access is retried after about 10 minutes.

**User response**

Check whether shared access from this system to the specified file is intended. If it is, use the additional information provided in the reason code to determine what changes to the security definitions or set-up are required.

See the Introduction to shared data tables for an explanation of the rules determining which userid is used for a file security check.

**Module:**

DFHEIFC

**XMEOUT parameters/Message inserts**

1. *applid*
2. *filename*
3. *X'code'*

**Destination**

Console

DFHFC0409  *applid* This CICS system is now authorized for shared access to remote file *filename*.

**Explanation**

The security check which failed earlier, and was reported in message DFHFC0408, has now succeeded. This system can now use shared access to the specified table.

**System action**

CICS continues normally.

**User response**

None.

**Module:**

DFHFCFS

**XMEOUT parameters/Message inserts**

1. *applid*
2. *filename*

**Destination**

Console

DFHFC0410  *applid* Data table cannot be opened. Data table initialization has failed for reason *X'code'*.  

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Chapter 2. CICS messages  801
Explanation

CICS is about to open a data table but has been unable to initialize shared data table services. The value of the reason code, X'code', provides further information about why CICS was unable to initialize shared data table services.

The format of the reason code is either: X'ffaaaaaa', in which ff is a value less than X'80' that identifies the type of failure, and aaaaaa is additional information provided for some of the failures, or when an abnormal termination (abend) has occurred, X'axxxrrrr' in which a is a value greater than or equal to X'8' that categorizes the type of abend, rrrr contains any register 15 abend reason code, and xxx contains the system or user completion code as three hexadecimal digits.

When X'code' < X'80000000', the values of X'ff' are:

X'01'
An unexpected failure occurred. This code is reported when the data tables SVC detects an unexpected error.

X'04'
An error was returned by the MVS RESMGR macro, called to establish an MVS resource manager for end-of-task processing. The first byte of the additional information, X'aa0000' contains the low order byte of the register 15 return code from the MVS RESMGR macro.

X'06'
An error was returned by the CICS SVC. The first byte of the additional information, X'aa0000' is the register 15 return code from the attempt to call the CICS SVC.

X'08'
An error was returned by the MVS DSPSERV macro. The additional information in the reason code consists of 1 byte containing the register 15 return code followed by 2 bytes containing the middle bytes from the register 0 reason code returned by DSPSERV.

X'09'
An error was returned by the MVS ALESERV macro, called to create an access list entry either for the data space or for references to the primary address space. The additional information in the reason code consists of one byte containing the register 15 return code followed by two bytes containing the ALESERV function code (service type) and qualifier (options) which identify the failing request.

X'0E'
An attempt to serialize the use of shared data table services (thus ensuring that only one TCB per address space can use the services) has failed. The first byte of additional information contains the ENQ return code.

When X'code' > X'80000000', the values of X'a' are formed from combinations of:

X'8'
An abend was detected.

X'4'
A user abend was detected, in which case xxx contains the hexadecimal equivalent of the user completion code (otherwise, xxx contains the hexadecimal system completion code).

X'2'
An abend was detected but could not be analyzed fully because no SDWA was available.

X'1'
An asynchronous abend was detected (otherwise, the abend was synchronous or could not be classified because there was no SDWA).

System action

CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the table involved. A system dump is taken for unexpected errors (X'ff' = X'01') and for abends (if dumps are requested for that abend code).

User response

The response depends on the reason for the failure as indicated in the first byte of the reason code:

X'01'
Use the system dump to help you determine the cause of the problem.

X'04'
Refer to the documentation of the MVS RESMGR macro to interpret the low-order byte of the register 15 return code reported in the reason code.

X'06'
The most likely reason for a failure of the CICS SVC call is that the data tables SVC module DFHDTSVC could not be loaded, in which case the return code value is X'02'. If this is the case, check that the DFHDTSVC module is in the LPA or in an authorized
library in the link list of the MVS system. If the module is in the correct location, investigate why it could not be loaded. There might be a hardware fault on the disk. Another less likely value for the return code is X'06', which implies that DFHDTsvc has been relink-edited and not marked reentrant.

X'08'

Refer to the documentation of the MVS DSPSERV macro to interpret the register 0 and register 15 return codes reported in the additional information part of the reason code.

X'09'

The function code (service type) and qualifier (options) reported in the reason code can be used to determine which ALESERV request was being attempted. Refer to the MVS ALESERV documentation and macro to interpret the function code, qualifier, and register 15 return code reported in the reason code.

X'0E'

This might indicate that the limit on the number of ENQs per address space has been reached, or that another TCB running in this CICS address space has already initialized as a requester of shared data table services.

> X'80'

When the reason code indicates that an abend has been detected, use the additional information provided in the reason code to find out what the abend was, and refer to information on that abend code to determine the cause.

**Module:**
DFHFCFS

**XMEOUT parameters/Message inserts**

1. applid
2. X'code'

**Destination**

Console

DFHFC0411 applid Data table cannot be opened. Data table initialization has failed owing to a storage failure - reason code X'code'.

**Explanation**

CICS is about to open a data table but has been unable to initialize shared data table services because of a failure to obtain storage. The value of the reason code, X'code', provides further information about the type of storage which could not be obtained.

The format of the reason code is X'ttnnnnnn' in which tt identifies the type of storage and, for some of the codes, nnnnnn gives the hexadecimal size in bytes of the storage which could not be obtained. For fixed-length storage blocks, the reason code does not usually report the size.

The values of X'tt' are:

- **X'01'**
  Private storage from MVS subpool 230 (key 0) for a work area used by the data tables SVC

- **X'02'**
  Private storage from MVS subpool 0 for the local header block used by a shared data table server

- **X'03'**
  Private storage from MVS subpool 0 for a pool for data table blocks

- **X'04'**
  Private storage from MVS subpool 0 for a pool for file blocks

- **X'08'**
  MVS/ESA data space storage

- **X'09'**
  Private storage from MVS subpool 230 (key 0) for a region anchor

- **X'11'**
  Private storage from MVS subpool 230 (CICS key) for a parameter list used by the data tables SVC

- **X'12'**
  Private storage from MVS subpool 230 (key 0) for a dummy recovery block

- **X'13'**
  Storage from MVS subpool 252 required to load the DFHDTAM load module

- **X'14'**
  Private storage from MVS subpool 230 (key 0) for a new ALET list section

**System action**

CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the table involved.
User response

The response depends on the type of storage indicated by the reason code. If it indicates private storage, you should reconsider the various region size parameters which have been specified on the CICS job, or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It might be necessary to take an SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

If it indicates data space storage, check whether the size of data spaces in this MVS system has been limited by use of the IEFUSI installation exit.

Module:
DFHFCFS

XMEOUT parameters/Message inserts

1. applid
2. X'code'

Destination
Console

DFHFC0412 applid Data table cannot be opened. Data table initialization has failed owing to a module loading failure - reason code X'code'.

Explanation

CICS is about to open a data table but a module loading failure has prevented the initialization of shared data table services. The value of the reason code, X'code', provides further information about which module was being loaded, and what went wrong with the attempt to load it.

The format of the reason code is X'mfrraaaa' in which m identifies the module and f is a code for the type of failure. For some failures, rr contains the register 15 return code from the failing macro call, and aaaa might contain additional information.

The value of X'm' can be:

X'1'
    DFHDTFOR
X'2'
    DFHDTAM
X'6'
    DFHMVRMS

The values of X'f' are:

X'1'
    module not found by a LOAD, BLDL or CSVQUERY macro call.
X'2'
    an error was returned by the MVS LOAD macro. The two bytes X'aaaa' of additional information in the reason code contain the completion code from the LOAD. X'rr' is the register 15 return code.
X'3'
    an error was returned by the MVS CSVQUERY macro. X'rr' is the register 15 return code.
X'4'
    an error was returned by the MVS BLDL macro. The two bytes X'aaaa' of additional information in the reason code contain the R0 reason code returned by BLDL.
X'5'
    the module is not reentrant.
X'6'
    the module had the wrong AMODE.
X'7'
    the module had the wrong RMODE.

:note text='Note for CICS/ESA 3.2.1 users'. There is an additional code of X'08000000' which is only seen on a CICS/ESA 3.2.1 system that has DFHDTINS installed in the LPA or in its load library, and has mistakenly loaded this module.

System action

CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the table involved.

User response

The response depends on the reason for the failure as indicated in the second hex digit of the reason code:

X'1'

Use the first hex digit to determine which module could not be found, and ensure that it is in the correct library.

X'2'

Refer to the documentation of the MVS LOAD macro to interpret the return and completion codes given in the reason code. There might also
be a message from the MVS LOAD which explains the reason for the failure.

X'3'
Refer to the documentation of the MVS CSVQUERY macro to interpret the return code given in the second byte of X'code'.

X'4'
This indicates an I/O error or a storage allocation failure. Refer to the documentation of the MVS BLDL macro to interpret the values in the reason code X'code'.

X'5', X'6', X'7'
Use the first digit of the reason code to determine the name of the module, then check the status of that module. These errors imply that it is either not the module which was supplied with CICS or that it has become corrupted.

NOTE: Note for CICS/ESA 3.2.1 users. If the reason code was X'08000000', the shared data tables module DFHDHTINS has been incorrectly installed in a library which is used by this CICS/ESA 3.2.1 system. If DFHDHTINS is in the load library specified by this CICS, it should be removed: shared data tables support cannot be installed on a CICS system at a lower level than 3.3. If it is in the link pack area (LPA) of this MVS system, it should be removed: the DFHDHTINS module should not be placed in the LPA of an MVS system which contains any CICS regions at release 3.2.1 which might want to use data tables, unless a PTF has been applied to the CICS 3.2.1 regions.

Module:
DFHFCFS

XMEOUT parameters/Message inserts
1. applid
2. X'code'

Destination
Console

DFHFC0415 applid Remote data tables cannot be accessed. Shared data table initialization has failed for reason X'code'.

Explanation
CICS is about to access a remote file resource which may have an associated shared data table. However, shared data tables cannot be used to access any remote tables because CICS has been unable to initialize data table services. Note that if CICS finds module DFHDHTINS in the STEPLIB concatenation or in the LPA it will assume that shared data tables is required and will thus try to initialize it. The value of the reason code, X'code', provides further information about why this CICS region was unable to perform the initialization required to act as a requester of shared data table services.

The format of the reason code is either: X'ffaaaaaa' in which ff is a value less than X'80' that identifies the type of failure, and aaaaaa is additional information provided for some of the failures; or, when an abnormal termination (ABEND) has occurred, X'axxxrrrr' in which a is a value greater than or equal to X'8' that categorizes the type of abend, rrrr contains any register 15 abend reason code, and xxx contains the system or user completion code as three hexadecimal digits.

When X'code' < X'80000000', the values of X'ff' are:

X'01'
An unexpected failure occurred. This code is reported when the data tables SVC detects an error which should never occur.

X'06'
An error was returned by the CICS SVC. The first byte of the additional information, aa0000, is the register 15 return code from the attempt to call the CICS SVC.

X'0E'
An attempt to serialize the use of shared data table services (thus ensuring that only one TCB per address space can use the services) has failed. The first byte of additional information contains the ENQ return code.

When X'code' > X'80000000', the values of X'a' are formed from combinations of:

X'8'
An abend was detected.

X'4'
A user abend was detected, in which case xxx contains the hexadecimal equivalent of the user completion code (otherwise, xxx contains the hexadecimal system completion code).

X'2'
An abend was detected but could not be analyzed fully because no SDWA was available.

X'1'
An asynchronous abend was detected (otherwise, the abend was synchronous or could not be classified because there was no SDWA).
Section Title:

**System action**

CICS continues normally and function ships this and subsequent remote file requests. Initialization is retried after about 10 minutes. A system dump is taken for unexpected errors (X'ff' = X'01') and for abends (if dumps are requested for that abend code).

**User response**

The response depends on the reason for the failure as indicated in the first byte of the reason code:

- **X'01'**
  
  Use the system dump to help you determine the cause of the problem.

- **X'06'**
  
  The most likely reason for a failure of the CICS SVC call is that the data tables SVC module DFHDT SVC could not be loaded, in which case the return code value is X'02'. If this is the case, check that the DFHDT SVC module is in the LPA or in an authorized library in the link list of the MVS system. If the module is in the correct location, then investigate why it could not be loaded; possibly there might be a hardware fault on the disk. Another less likely value for the return code is X'06', which implies that DFHDT SVC has been relink-edited and not marked reentrant.

- **X'0E'**
  
  This might indicate that the limit on the number of ENQs per address space has been reached, or that another TCB running in this CICS address space has already initialized as a requester of shared data table services.

- **> X'80'**
  
  When the reason code indicates that an abend has been detected, use the additional information provided in the reason code to find out what the abend was, and refer to information on that abend code to determine the cause.

**Module:**

DFHFCFS

**XMEOUT parameters/Message inserts**

1. **applid**
2. **X'code'**

**Destination**

Console

**DFHFC0416 applid** Remote data tables cannot be accessed. Shared data table initialization has failed owing to a storage failure - reason code X'code'.

**Explanation**

CICS is about to access a remote file resource. However, a failure to get storage has prevented CICS from initializing shared data table services. The value of the reason code, X'code', provides further information about the type of storage which could not be obtained:

The format of the reason code is X'ttnnnnnn' in which tt identifies the type of storage and, for some of the codes, nnnnnn gives the hexadecimal size in bytes of the storage which could not be obtained. For storage blocks whose length is fixed, the reason code does not usually report the size.

The values of X'tt' are:

- **X'01'**
  
  Private storage from MVS subpool 253 (below the 16MB line) for a work area required by module DFHQSSS

- **X'02'**
  
  Private storage from MVS subpool 0 for the shared data table header block required for this CICS to act as a data tables requester

- **X'09'**
  
  Private storage from MVS subpool 230 (key 0) for a region anchor

- **X'0A'**
  
  ECSA storage from subpool 241 (key 0) for a qualified subsystem block

- **X'0B'**
  
  ECSA storage from MVS subpool 241 (key 0) for a system anchor

- **X'0E'**
  
  Private storage from MVS subpool 230 (key 0) for a connect header block

**System action**

CICS continues normally and function ships this and subsequent remote file requests. Initialization is retried after about 10 minutes.

**User response**

The response depends on the type of storage indicated by the reason code.
If it indicates private storage, you should reconsider the various region size parameters which have been specified on the CICS job or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It might be necessary to take an SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

If it indicates ECSA (extended common service area) storage, you should review the CSA size specified in system parameter list IEASYSxx, or by use of the CSA override on initialization of the MVS system. You should also review the size of the ESQA, since the system might have started to use ECSA storage if the ESQA storage is depleted.

Module: DFHFCFS

XMEOUT parameters/Message inserts

1. applid
2. X'code'

Destination

Console

DFHFC0417 applid Remote data tables cannot be accessed. Shared data table initialization has failed owing to a module loading failure - reason code X'code'.

Explanation

CICS is about to access a remote file resource. However, shared data tables cannot be used to access any remote tables because a module loading failure prevents CICS from initializing data table services.

The value of the reason code, X'code', provides further information about which module was being loaded, and what went wrong with the attempt to load it.

The format of the reason code is X'mfrraaaa' in which m identifies the module and f is a code for the type of failure. For some failures, rr contains the register 15 return code from the failing macro call, and aaaa might contain additional information.

The value of X'm' can be:

X'3'
    DFHDTAOR
X'4'
    DFHDTCV

The values of f are:

X'1'
    module not found by LOAD
X'2'
    an error was returned by the MVS LOAD macro. The two bytes X'aaaa' of additional information in the reason code contain the completion code from the LOAD. X'rr' contains the register 15 return code
X'5'
    the module is not reentrant.
X'6'
    the module had the wrong AMODE.

System action

CICS continues normally and function ships this and subsequent remote file requests. Initialization is retried after about 10 minutes.

User response

The response depends on the reason for the failure as indicated in the second hex digit of the reason code:

X'1'
    Use the first hex digit to determine which module could not be found, and ensure that it is in the correct library.

X'2'
    Refer to the documentation of the MVS LOAD macro to interpret the return and completion codes reported in the reason code. There might also be a message from the MVS LOAD which explains the reason for the failure.

X'5', X'6'
    Use the first digit of the reason code to determine the name of the module, then check the status of that module. This error implies that it is either not the module which was supplied with CICS or that it has become corrupted.

Module: DFHFCFS

XMEOUT parameters/Message inserts

1. applid
2. X'code'

Destination

Console
DFHFC0420 applid Shared access to data tables cannot be provided by this CICS system because it has not been registered as a shared data table server - reason code X'code'.

Explanation

CICS is about to open a data table but has been unable to do so because this CICS system has not been registered as a shared data table server. The value of the reason code, X'code', provides further information about why this CICS system was unable to register (LOGON) as a shared data table server.

The format of the reason code is either: X'ffaaaaaa' in which ff is a value less than X'80' that identifies the type of failure, and aaaaaa is additional information provided for some of the failures; or, when an abnormal termination (ABEND) has occurred, X'axxxrrrr' in which a is a value greater than or equal to X'8' that categorizes the type of ABEND, rrrr contains any register 15 ABEND reason code, and xxx contains the system or user completion code as three hexadecimal digits.

When X'code' < X'80000000', the values of X'ff' are:

X'01' This code is reported when the data tables SVC detects an unexpected error.

X'02' Another region within the MVS image with the same APPLID as this region is already registered (logged on) as a shared data tables server.

X'03' DFHDTRM has supplied the data tables SVC with an invalid address for the PC vector, or the PC vector specifies an invalid number of entry table entries (ETEs). In the latter case, X'aaaaaaa' contains the number of ETEs that were requested.

X'04' A failure occurred when attempting to establish an MVS resource manager for end-of-memory processing. The first byte of the additional information, X'aa0000' contains the low order byte of the register 15 return code from the MVS RESMGR macro.

X'05' A failure occurred when attempting to make the server address space permanently non-swappable. The additional information, X'aaaaaaa', contains the low order 3 bytes of the code posted in an ECB that was specified when the SYSEVENT TRANSWAP macro was issued.

X'06' An error was returned by the CICS SVC. The first byte of the additional information, X'aa0000' is the register 15 return code from the attempt to call the CICS SVC.

X'0D' An error occurred when issuing an MVS ENQ to ensure that, at any given time, only one server per MVS system can be active for a given APPLID. The first byte of the additional information, X'aa0000' contains the return code from ENQ.

X'10' An attempt to create the environment for shared data tables connect security checks has found that the security environment has already been set up.

X'11' There is a disparity between the actual version of the CICS security block and the version which was used to assemble the shared data tables module DFHDTXS.

When X'code' > X'80000000', the values of X'a' are formed from combinations of:

X'8' An ABEND was detected.

X'4' A user ABEND was detected, in which case xxx contains the hexadecimal equivalent of the user completion code (otherwise, xxx contains the hexadecimal system completion code).

X'2' An ABEND was detected but could not be analyzed fully because no SDWA was available.

X'1' An asynchronous ABEND was detected (otherwise, the abend was synchronous or could not be classified because there was no SDWA).

System action

CICS continues normally and attempts to open the table for local use only. A system dump is taken for unexpected errors (X'ff' =X'01') and for ABENDs (if dumps are requested for that ABEND code).
User response

The response depends on the reason for the failure as indicated in the first byte of the reason code:

X'01'
Use the system dump to help you determine the cause of the problem.

X'02'
There cannot be more than one region with a given APPLID acting as a shared data table server within the same MVS image.

X'03'
This error might indicate that some corruption of the system has occurred, or that there is an error in CICS code.

X'04'
Refer to the documentation of the MVS RESMGR macro to interpret the return code reported in the additional information part of the reason code.

X'05'
Refer to the documentation of the MVS SYSEVENT macro to interpret the ECB contents reported in the additional information part of the reason code.

X'06'
Server initialization should have been completed before LOGON is issued, so CICS SVC errors associated with the loading of the data tables SVC module DFHDTSVC should not be encountered. Therefore this error probably indicates a logic problem or corruption of your system.

X'0D'
Refer to the documentation of the MVS ENQ macro to interpret the return code reported in the additional information part of the reason code.

X'10'
This error might indicate that some corruption of the system has occurred, or that there is an error in CICS code.

X'11'
This error might indicate that service has been applied which requires PTFs to both base CICS and the shared data tables code, and only one has been correctly updated, or that some corruption of the system has occurred, or that there is an error in CICS.

> X'80'
When the reason code indicates that an ABEND has been detected, use the additional information provided in the reason code to find out what the ABEND was, and refer to information on that ABEND code to determine the cause.

Module:
DFHFCFS

XMEOUT parameters/Message inserts

1. applid
2. X'code'

Destination
Console

DFHFC0421 applid Shared access to data tables cannot be provided by this CICS system because a storage failure has prevented it from registering as a shared data table server - reason code X'code'.

Explanation

CICS is about to open a data table but cannot do so because a failure to acquire storage has prevented the register of this CICS system as a shared data table server. The value of the reason code, X'code', provides further information about the type of storage which could not be obtained:

The format of the reason code is X'ttnnnnnn' in which tt identifies the type of storage and, for some of the codes, nnnnn gives the hexadecimal size in bytes of the storage which could not be obtained. For storage blocks whose length is fixed, the reason code does not usually report the size.

The values of X'tt' are:

X'01'
private storage from MVS subpool 253 (below the 16MB line) for a work area for module DFHQSSS or from MVS subpool 230 (key 0) for a work area used by the data tables SVC LOGON processing

X'0A'
ECSA storage from MVS subpool 241 (key 0) for a qualified subsystem block

X'0B'
ECSA storage from MVS subpool 241 (key 0) for a system anchor

X'0C'
ECSA storage from MVS subpool 241 (key 0) for a server element
X'0D'

ECSA storage from MVS subpool 241 (key 0) for a security block

**System action**

CICS continues normally and attempts to open the table for local use only.

**User response**

The response depends on the type of storage indicated by the reason code.

If it indicates private storage then you should probably reconsider the various region size parameters which have been specified on the CICS job, or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It might be necessary to take an SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

If it indicates ECSA (extended common service area) storage, you should review the CSA size specified in system parameter list IEASYSxx, or by use of the CSA override on initialization of the MVS system. You should also review the size of the ESQA, since the system might have started to use ECSA storage if the ESQA storage is depleted.

**Module:**

DFHFCFS

**XMEOUT parameters/Message inserts**

1. applid
2. X'code'

**Destination**

Console

DFHFC0422 applid Shared access to data tables cannot be provided by this CICS system because a module loading failure has prevented it from registering as a shared data table server - reason code X'code'.

**Explanation**

CICS is about to open a data table but cannot do so because a module loading failure has prevented the register of this CICS system as a shared data table server.

The value of the reason code, X'code', provides further information about which module was being loaded, and what went wrong with the attempt to load it.

The format of the reason code is X'mfrraaaa' in which m identifies the module and f is a code for the type of failure. For some failures, rr contains the register 15 return code from the failing macro call, and aaaa might contain additional information.

The value of X'm' can be:

X'5'

DFHDTXS

The values of X'f' are:

X'1'

module not found by LOAD

X'2'

an error was returned by the MVS LOAD macro. The two bytes X'aaaa' of additional information in the reason code contain the completion code from the LOAD. X'rr' contains the register 15 return code.

X'5'

the module is not reentrant.

X'6'

the module had the wrong AMODE.

**System action**

CICS continues normally and attempts to open the table for local use only.

**User response**

The response depends on the reason for the failure as indicated in the second hex digit of the reason code:

X'1'

Use the first hex digit to determine which module could not be found, and ensure that it is in the correct library.

X'2'

Refer to the documentation of the MVS LOAD macro to interpret the return and completion codes given in the reason code. There might also be a message from the MVS LOAD which explains the reason for the failure.

X'5', X'6'

Use the first digit of the reason code to determine the name of the module, then check the status of that module. This error implies that it is either not
the module which was supplied with CICS or that it has become corrupted in some way.

**Module:**
DFHFCFS

**XMEOUT parameters/Message inserts**

1. applid
2. X'code'

**Destination**
Console

**DFHFC0430** applid Data table open request for file filename has failed for reason X'code'.

**Explanation**
CICS has attempted to create a data table for file resource filename but has been unable to do so owing to a failure to get storage. There is insufficient storage above the 16MB line or within the appropriate data space and the value of the reason code, X'code', provides further information about the type of storage which could not be obtained.

The format of the reason code is X'tttnnnnn' in which tt identifies the type of storage and, for some of the codes, nnnnnn gives the hexadecimal size in bytes of the storage which could not be obtained. For storage blocks whose length is fixed, the reason code does not usually report the size.

The values of X'tt' are:

- **X'03'**
  private storage from MVS subpool 0 for a data table block
- **X'04'**
  private storage from MVS subpool 0 for a file block
- **X'05'**
  data space storage from data space DFHDT001 for a pool of backout cells (the pool is created if the file being opened is the first recoverable user-maintained table to be opened in this CICS run)
- **X'06'**
  data space storage from data space DFHDT001 for a pool of table entry descriptor blocks, or for a descriptor block to be used when loading the table
- **X'07'**
  data space storage from data space DFHDT002 for data table index storage
- **X'08'**
  data space storage from data space DFHDT003 upwards for a pool of data table records

**System action**
CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the table involved.

**User response**
The response depends on the type of storage indicated by the reason code.

If it indicates private storage then you should probably reconsider the various region size parameters which
have been specified on the CICS job, or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It might be necessary to take an SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

If it indicates data space storage then check whether the size of data spaces in this MVS system has been limited by use of the IEFUSI installation exit.

Module: DFHFCFS

XMEOUT parameters/Message inserts
1. applid
2. filename
3. X'code'

Destination
Console

DFHFC0432 applid Data table request for file filename has failed because the table is full for reason eibresp2.

Explanation
CICS has attempted to add or rewrite a record to the data table for file resource filename but has failed with a NOSPACE condition. The value of eibresp2 can be:

102
The maximum number of table entries specified for the user-maintained table or coupling facility data table has already been reached. This condition can also occur for a recoverable coupling facility data table when the table apparently contains fewer than the maximum number of records allowed if there are uncommitted updates outstanding.

103
CICS is unable to get sufficient storage in the CICS address space to create an in-memory table entry for the record being written.

108
There is insufficient space in the coupling facility data table pool to store the record.

System action
CICS continues normally.

User response
Examine the eibresp2 reason code to determine why the NOSPACE condition occurred. Increase the appropriate storage available to the data table or the number of entries allowed in the table.

Module: DFHEIFC

XMEOUT parameters/Message inserts
1. applid
2. filename
3. eibresp2

Destination
Console

DFHFC0435 applid Data table access request for remote file filename has failed for reason X'code'.

Explanation
An error has occurred while the requesting region was attempting to establish a connection to the remote file filename owned by the serving region. The value of the reason code, X'code', provides further information about why CICS was unable to connect to the remote file.

The format of the reason code is either: X'ffaaaaaa' in which ff is a value less than X'80' that identifies the type of failure, and aaaaaa is additional information provided for some of the failures; or, when an abnormal termination (ABEND) has occurred, X'axxxrrrr' in which a is a value greater than or equal to X'8' that categorizes the type of ABEND, rrrr contains any register 15 ABEND reason code, and xxx contains the system or user completion code as three hexadecimal digits.

When X'code' < X'80000000', the values of X'ff' are:

X'01'
An unexpected failure occurred. This code is reported when the data tables SVC detects an error which should never occur.

X'06'
An error was returned by the CICS SVC. The first byte of the additional information, aaaa00, is the register 15 return code from the attempt to call the CICS SVC.
X'07'
The connection index returned by the data tables SVC exceeds the maximum value supported by the calling module (2^{20} - 1).

X'0A'
The scan of the chain of files owned by the serving region has failed because there is a permanently invalid entry on the chain which indicates that the chain has become damaged.

X'0B'
The number of connections by this requesting CICS region to the remote file is already at the allowed maximum (2^{32} - 1).

X'0C'
The vector which records details of all connections to shared data tables by this requesting CICS region needs expanding, but this would cause it to equal or exceed a size of 16MB.

X'0F'
An attempt to serialize with termination of the server has failed because the number of ENQs has reached the address space limit. The first byte of the additional information, X'aa0000', contains the return code from the ENQ.

When X'code' > X'80000000', the values of X'a' are formed from combinations of:

X'8'
An ABEND was detected.

X'4'
A user ABEND was detected, in which case xxx contains the hexadecimal equivalent of the user completion code (otherwise, xxx contains the hexadecimal system completion code).

X'2'
An ABEND was detected but could not be fully analyzed because no SDWA was available.

X'1'
An asynchronous ABEND was detected (otherwise, the abend was synchronous or could not be classified because there was no SDWA).

System action
CICS continues normally and function ships this and subsequent remote file requests. Use of shared tables is retried after about 10 minutes. A system dump is taken for unexpected errors (X'ff' = X'01') and for ABENDs (if dumps are requested for that ABEND code).

User response
The response depends on the reason for the failure as indicated in the first byte of the reason code:

X'01'
Use the system dump to help you determine the cause of the problem.

X'06'
Requester initialization should have been completed before CONNECT is issued, so CICS SVC errors associated with the loading of the data tables SVC module DFHDTsvc should not be encountered. Therefore this error probably indicates a logic problem or corruption of your system.

X'07'
Some changes to your system configuration should be made, as this requesting region is trying to access too many shared data tables owned by other regions. It is necessary either to reduce the number of remote files being used, or to split the requesting CICS region into a number of smaller regions.

X'0A'
This indicates corruption of subpool 0 storage in the server region.

X'0B'
This indicates that either the requesting region contains more than 2^{32} - 1 remote file definitions, all of which refer to the same file in the server region, or that storage has been corrupted.

X'0C'
Same response as X'07'.

X'0F'
Refer to the documentation of the MVS ENQ macro to interpret the return code reported in the additional information part of the reason code.

> X'80'
When the reason code indicates that an ABEND has been detected, use the additional information provided in the reason code to find out what the ABEND was, and refer to information on that ABEND code to determine the cause.

Module:
DFHFCFS

XMEOUT parameters/Message inserts
1. applid
2. `filename`
3. `X'code'`

**Destination**
Console

DFHFC0436 `applid` Data table access request for remote file `filename` has failed because of a storage failure - reason code `X'code'`.

**Explanation**
CICS has attempted to access the remote file resource `filename` but cannot do so because of a failure to get storage.

The value of the reason code, `X'code'`, provides further information about the type of storage which could not be obtained:

The format of the reason code is `X'tttnnnnnn'` in which `tt` identifies the type of storage and, for some of the codes, `nnnnnn` gives the hexadecimal size in bytes of the storage which could not be obtained. For storage blocks whose length is fixed, the reason code does not usually report the size.

The values of `X'tt'` are:

- **X'01'**
  - Private storage from MVS subpool 230 (key 0) for a work area used by module DFHDTXS or for a work area used by data tables SVC CONNECT processing.

- **X'0F'**
  - Private storage from MVS subpool 230 (key 0) for a connect vector

**System action**
CICS continues normally and function ships this and subsequent remote file requests. Use of shared tables is retried after about 10 minutes.

**User response**
The response depends on the type of storage indicated by the reason code.

As it indicates private storage, you should probably reconsider the various region size parameters which have been specified on the CICS job, or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It might be necessary to take an SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

**Module:**
DFHFCFS

**XMEOUT parameters/Message inserts**
1. `applid`
2. `filename`
3. `X'code'`

**Destination**
Console

DFHFC0440 `applid` Data table close request for file `filename` has failed for reason `X'code'`.

**Explanation**
CICS has attempted to close a data table for file resource `filename` but has been unable to do so.

**System action**
CICS continues normally. The table is treated as having been closed.

A system dump is taken for unexpected errors (`X'ff' = `X'01'`) and for abends (if dumps are requested for that abend code).

**User response**
The response depends on the reason for the failure as indicated in the first byte of the reason code:

- **X'01'**
  - Use the system dump to help you determine the cause of the problem.

- **X'06'**
  - Server initialization should have been completed before LOGON is issued, so CICS SVC errors associated with the loading of the data tables SVC module DFHDTSVC should not be encountered. Therefore this error probably indicates a logic problem or corruption of your system.

- **X'09'**
  - The function code (service type) and qualifier (options) reported in the reason code can be used to determine which ALESERV request was being attempted. Refer to the MVS ALESERV documentation and macro to interpret the function code, qualifier, and register 15 return code reported in the reason code.
When the reason code indicates that an ABEND has been detected, use the additional information provided in the reason code to find out what the ABEND was, and refer to information on that abend code to determine the cause.

**Module:** DFHFCFS

**XMEOUT parameters/Message inserts**

1. `applid`
2. `filename`
3. `X'code'`

**Destination**

Console

```
DFHFC0441 applid Data table close request for file `filename' has failed owing to a storage failure - reason code `X'code'`
```

**Explanation**

CICS has attempted to close a data table for file resource `filename` but has been unable to do so owing to a failure to release storage.

The format of the reason code is `X'ttnnnnnn'` in which `tt` identifies the type of storage and, for some of the codes, `nnnnnn` gives the hexadecimal size in bytes of the storage which could not be obtained. For storage blocks whose length is fixed, the reason code does not usually report the size.

The values of `X'tt'` are:

- **X'14'**
  
  private storage from MVS subpool 230 (key 0) for a new ALET list section

**System action**

CICS continues normally. The table is treated as having been closed.

**User response**

You should probably reconsider the various region size parameters which have been specified on the CICS job, or have been set as defaults for the system by `IEALIMIT` or the `IEFUSI` installation exit. It may be necessary to take an SDUMP of the CICS job and process it using the `VERBEXIT VSMDATA` in order to investigate the way in which MVS storage has been allocated to the various subpools.

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**Module:** DFHFCFS

**XMEOUT parameters/Message inserts**

1. `applid`
2. `filename`
3. `X'code'`

**Destination**

Console

```
DFHFC0445 applid Data table disconnect request for remote file `filename' has failed for reason code `X'code'`
```

**Explanation**

CICS has attempted to disconnect from the remote data table `filename` but has been unable to do so.

An error has occurred while the requesting region was attempting to break the connection to the remote file `filename` owned by the serving region. The value of the reason code, `X'code'`, provides further information about why CICS was unable to disconnect from the remote file.

The format of the reason code is either: `X'ffaaaaaa'` in which `ff` is a value less than X'80' that identifies the type of failure, and `aaaaaa` is additional information provided for some of the failures; or, when an abnormal termination (ABEND) has occurred, `X'axxxrrrr'` in which `a` is a value greater than or equal to X'8' that categorizes the type of ABEND, `rrrr` contains any register 15 ABEND reason code, and `xxx` contains the system or user completion code as three hexadecimal digits.

When `X'code' < X'80000000'`, the values of `X'ff'` are:

- **X'01'**
  
  An unexpected failure occurred. This code is reported when the data tables SVC detects an error which should never occur.

- **X'06'**
  
  An error was returned by the CICS SVC. The first byte of the additional information, `aa0000`, is the register 15 return code from the attempt to call the CICS SVC.

When `X'code' > X'80000000'`, the values of `X'a'` are formed from combinations of:

- **X'8'**
  
  An ABEND was detected.
X'4'

A user ABEND was detected, in which case xxx contains the hexadecimal equivalent of the user completion code (otherwise, xxx contains the hexadecimal system completion code).

X'2'

An ABEND was detected but could not be analyzed fully because no SDWA was available.

X'1'

An asynchronous ABEND was detected (otherwise, the abend was synchronous or could not be classified because there was no SDWA).

**System action**

CICS continues normally. The table is treated as having been disconnected from the requesting CICS system. A system dump is taken for unexpected errors (X'ff' = X'01') and for ABENDs (if dumps are requested for that ABEND code).

**User response**

The response depends on the reason for the failure as indicated in the first byte of the reason code:

X'01'

Use the system dump to help you determine the cause of the problem.

X'06'

Requester initialization should have been completed before DISCONNECT is issued, so CICS SVC errors associated with the loading of the data tables SVC module DFHDT SVC should not be encountered. Therefore this error probably indicates a logic problem or corruption of your system.

> X'80'

When the reason code indicates that an ABEND has been detected, use the additional information provided in the reason code to find out what the ABEND was, and refer to information on that ABEND code to determine the cause.

**Module:**

DFHFCFS

**XMEOUT parameters/Message inserts**

1. applid
2. filename
3. code

**Destination**

Console

DFHFC0446 applid Data table disconnect request for remote file *filename* has failed because of a storage failure - reason code X'code'.

**Explanation**

CICS has attempted to disconnect from the remote data table *filename* but has been unable to do so owing to a failure to release storage.

**System action**

CICS continues normally. The table is treated as having been disconnected from the requesting CICS system.

**User response**

This indicates an internal error or a corruption of the system. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHFCFS

**XMEOUT parameters/Message inserts**

1. applid
2. filename
3. X'code'

**Destination**

Console

DFHFC0490 applid Unable to use data table for file *filename*.

**Explanation**

The data set to which file *filename* relates has an associated data table but CICS is unable to make use of the table data owing to a lack of storage.

**System action**

CICS continues normally. Performance of read-only accesses to the file is degraded because records cannot be retrieved from the table.

**User response**

Ensure that there is sufficient storage in the CICS region outside the EDSA.
See the Introduction to shared data tables for further guidance.

**Module:**
DFHFCFS

**XMEOUT parameters/Message inserts**
1. applid
2. filename

**Destination**
Console

DFHFC0500  **applid** RLS OPEN of file **filename**
failed. VSAM has returned code X'eeee' in R15 and reason X'cccc'.

**Explanation**
While CICS was opening file **filename**, the CICS file control open/close routine received a nonzero return code from VSAM.

**System action**
CICS continues processing with file **filename** closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

**User response**
For the meaning of the VSAM return code, see z/OS DFSMS Macro Instructions for Data Sets.

**Module:**
DFHFCRO

**XMEOUT parameters/Message inserts**
1. applid
2. filename
3. X'eeee'
4. X'cccc'

**Destination**
Console

DFHFC0501  **applid** RLS OPEN of file **filename**
failed. VSAM has returned code 16 in R15. RLS access has been disabled.

**Explanation**
While CICS was opening file **filename**, the CICS file control open/close routine received a return code of 16 in register 15. This means that the RLS VSAM server is currently unavailable so file control has disabled RLS access.

**System action**
CICS continues processing with file **filename** closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

**User response**
None.

**Module:**
DFHFCRO

**XMEOUT parameters/Message inserts**
1. applid
2. filename
3. X'eeee'
4. X'cccc'

**Destination**
Console

DFHFC0502  **applid** RLS OPEN of file **filename**
failed. Access type switch to RLS attempted while other files open for the same data set have non-RLS access type.

**Explanation**
While CICS was opening file **filename**, the CICS file control RLS open/close routine detected that the access type for the file has been changed to RLS but there are still other files open for the data set with non-RLS access type. The file cannot be opened until all the other files have closed.

**System action**
CICS continues processing with file **filename** closed and its state UNENABLED. Any transaction attempting to use the file is sent a NOTOPEN condition.

**User response**
Close all the other files or change access of this file back to non-RLS. Files for the same data set should have the same access type.
Module: DFHFCRO

XMEOUT parameters/Message inserts
1. applid
2. filename

Explanation
While CICS was opening file filename, the CICS file control RLS open/close routine received a return code of '1A' in register 15. This means that the RLS VSAM server is not available so file control has disabled RLS access. The return code was returned by the SHOWCB macro when CICS was attempting to find the reason for the open failure that had just been detected.

System action
CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition. CICS reenables RLS access when the RLS VSAM server restarts.

User response
None.

Module: DFHFCRO

XMEOUT parameters/Message inserts
1. applid
2. filename

Explanation
While CICS was opening file filename, the CICS file control open/close routine detected that the access type for the file has been changed to non-RLS but there are still other files open for the data set with RLS access type. The file cannot be opened until all the other files have closed.

System action
CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use the file is sent a NOTOPEN condition.

User response
Close all the other files or change access of this file back to RLS. Files for the same data set should have the same access type.

Module: DFHFCFS

XMEOUT parameters/Message inserts
1. applid
2. filename

Explanation
While CICS was closing file filename, the CICS file control RLS open/close routine received a return code which indicates that the RLS VSAM server is unavailable. Consequently file control has disabled and closed down RLS access. This does not affect the rest of the close processing. The return code is returned by the SHOWCB macro which is invoked during CICS close.

System action
CICS continues processing with file filename closed and its state UNENABLED. Any subsequent close requests for other files which are issued while the server is unavailable also receive the error return code but do not issue this message. CICS reenables RLS access when the RLS VSAM server restarts.
DFHFC0507  applid RLS OPEN of file filename failed. Callable service IGWARLS is not present.

**Explanation**
Callable service IGWARLS is required by file control for processing files which have update SERVREQs and are using the VSAM catalog as a repository for data set recovery attributes. CICS expects to find IGWARLS in the LPA. IGWARLS resides in library SYS1.CSSLIB. If SYS1.CSSLIB is not in the LPA concatenation, RLS files with update SERVREQs cannot be opened.

**System action**
CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

**User response**
If you intend to use RLS access for files with UPDATE SERVREQs, ensure that SYS1.CSSLIB is included in the LPA concatenation.

**Module:** DFHFCR0

---

DFHFC0508  applid RLS OPEN of file filename failed. VSAM has returned code X'AA' in register 15. RLS access has been disabled.

**Explanation**
An attempt to open file filename failed because RLS access has been disabled.

**System action**
CICS continues processing with file filename closed and its state UNENABLED. Any transactions attempting to use RLS files are sent a NOTOPEN condition.

**User response**
Ensure that an EXEC CICS SET DSNAME AVAILABLE command (or the CEMT equivalent) is issued before attempting to open the file.

**Module:** DFHFCR0
DFHFCFS, DFHFCRO

XMEOUT parameters/Message inserts
1. applid
2. Value chosen from the following options:
   1=RLS,
   2=Non-RLS
3. filename
4. module

Destination
Console

DFHFC0511 applid RLS OPEN of file filename failed. This CICS has other files open for the data set (or its associated base) with non-RLS access mode. The data set name is dsname.

Explanation
While CICS was opening file filename, the CICS file control RLS open/close routine detected that this region has other files open for the data set dsname, or its associated base data set, in RLS access mode. This file cannot be opened in non-RLS access mode until all the other RLS mode files have closed, even if this file is opening the data set in read-only mode. This constraint is to ensure a consistent view of this data set from within each CICS region.

System action
CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use the file is sent a NOTOPEN condition.

User response
Close all the other files or change access of this file to RLS mode. Files accessing the same base data set from within a given CICS region must all have the same access mode. This includes access via a path data set.

Module:
DFHFCFS

XMEOUT parameters/Message inserts
1. applid
2. filename
3. dsname

Destination
Console

DFHFC0512 applid Non-RLS OPEN of file filename failed. This CICS has other files open for the data set (or its associated base) with RLS access mode. The data set name is dsname.

Explanation
While CICS was opening file filename, the CICS file control non-RLS open/close routine detected that this region has other files open for the data set dsname, or its associated base data set, in RLS access mode. This file cannot be opened in non-RLS access mode until all the other RLS mode files have closed, even if this file is opening the data set in read-only mode. This constraint is to ensure a consistent view of this data set from within each CICS region.

System action
CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use the file is sent a NOTOPEN condition.

User response
Close all the other files or change access of this file to RLS mode. Files accessing the same base data set from within a given CICS region must all have the same access mode. This includes access via a path data set.

Module:
DFHFCFS
Explanation

While CICS was opening file *filename*, the CICS file control non-RLS open/close routine detected that this region has unresolved recovery work for the data set *dsname*, or its associated base data set, which requires the base data set and any associated path data sets to be accessed in RLS mode. This file cannot be opened until all the RLS recovery work has been resolved. This constraint ensures that any automatic resolution of the recovery work is not impeded by non-RLS accesses to the data set.

System action

CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use the file is sent a NOTOPEN condition.

User response

Use the INQUIRE UOWDSNFAIL command to investigate the RLS recovery work, and take action to resolve it. This may involve retrying backout-failed units of work and resynchronising indoubt-failed units of work. See the Administering recovery and restart for more information on unit of work failures and their resolution.

Module:

DFHFCFS

XMEOUT parameters/Message inserts

1. applid
2. *filename*
3. *dsname*

Destination

Console

DFHFC0517  applid (RLS | Non-RLS) OPEN of file *filename* failed. An error was detected when reading the VSAM catalog.

Explanation

As part of processing a request to OPEN a file, CICS requires to obtain information from the VSAM catalog. The attempt to obtain catalog information has failed.

System action

The file open request fails. CICS has previously issued message DFHFC0519 giving information about the earlier catalog inquiry failure.

Any transaction attempting to use file *filename* is sent a NOTOPEN condition.

User response

See the response to message DFHFC0519.

Module:

DFHFCFS

XMEOUT parameters/Message inserts

1. applid

Destination

Console

DFHFC0518  applid File Control is using an extended addressing ESDS dataset.

Explanation

File Control has opened at least one file which refers to an extended addressing ESDS.

System action

None. The message is informational.

User response

Forward recovery log records and file journal records written for files which refer to addressing ESDS data sets have a new format.

If the dataset is forward recoverable, ensure that you are using a forward recovery utility that is capable of handling the new format forward recovery log records.

If you use file journaling, ensure that all journal reading utilities are capable of reading the new format journal records.

To determine which files reference extended addressing ESDS data sets, use the operator command CEMT INQ FILE(*) EXTENDED.

Module:

DFHFCFS

XMEOUT parameters/Message inserts

1. applid
Destination

Console

**DFHFC0519** applid Call to VSAM Catalog utility IGGCSI00 for dataset dsname failed. Return code X'rrrr' Reason code X'cccc'.

**Explanation**

As part of processing a request to OPEN a file, CICS called program IGGCSI00 in order to obtain information about data set dsname from the VSAM catalog. The call to IGGCSI00 failed. The return code from IGGCSI00 was rrrr and the reason code was cccc.

**System action**

The file open request fails. CICS will subsequently issue message DFHFC0517 indicating the name of the file that failed to open. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User response**

Check that the resource definition for the file specifies the correct DSNAME. If DSNAME is correctly specified, see the explanation of the IGGCSI00 return and reason codes in z/OS DFSMS Managing Catalogs.

**Module:**

DFHFCVC

**XMEOUT parameters/Message inserts**

1. applid
2. dsname
3. X'rrrr'
4. X'cccc'

**Destination**

Console

**DFHFC0520** applid (RLS | Non-RLS) OPEN of file filename failed. IGWARLS call returned codes X'rrrr', X'cccc' and problem determination X'dddddddd' to module module.

**Explanation**

While CICS was opening file filename and retrieving information from the VSAM catalog using callable service IGWARLS, the CICS file control open/close routine in module module detected an error. The return code and reason code from IGWARLS are respectively rrrr and cccc. dddddddd is any available problem determination information.

**System action**

CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Use the IGWARLS reason code to determine the cause of the problem. For the meaning of the IGWARLS reason code, see z/OS DFSMSdfp Advanced Services.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHFCFS, DFHFCRO

**XMEOUT parameters/Message inserts**

1. applid
2. Value chosen from the following options:
   1 = RLS,
   2 = Non-RLS
3. filename
4. X'rrrr'
5. X'cccc'
6. X'dddddddd'
7. module

**Destination**

Console

**DFHFC0521** applid RLS OPEN of file filename failed. Undefined LOG parameter is invalid for an RLS file with update type SERVREQs.

**Explanation**

While CICS was opening file filename and retrieving information from the VSAM catalog using callable service IGWARLS, the CICS file control open/close routine in module module detected that the LOG parameter for the sphere is undefined. LOG must be specified for a file that has RLS access type and update type servreqs.
System action

CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User response

Use IDCAMS ALTER to set the LOG parameter for the sphere.

Module:
DFHFCRO

XMEOUT parameters/Message inserts

1. *applid*
2. *filename*

Destination

Console

DFHFC0522: *applid RLS* OPEN of file *filename* failed. IGWARLS call has returned that the LOG parameter is set to ALL but LOGSTREAMID has not been specified. Module *module*.

Explanation

While CICS was opening file *filename*, the CICS file control open/close routine in module *module* detected that the LOGSTREAMID for forward recovery is the same as that for the system log. The forward recovery LOGSTREAMID must be different from the system log.

System action

CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User response

If forward recovery is required, use IDCAMS ALTER to add a LOGSTREAMID for the sphere. Otherwise, remove the forward recovery setting.

Module:
DFHFCFS, DFHFCRO

XMEOUT parameters/Message inserts

1. *applid*
2. *filename*
3. *module*

Explanation

An attempt to write a log record failed because the record length was greater than the maximum supported by that log. Module *module*.

System action

CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User response

Use IDCAMS ALTER to change the LOGSTREAMID for forward recovery for the sphere. Ensure that it is different from the system log.

Module:
DFHFCRO

XMEOUT parameters/Message inserts

1. *applid*
2. *filename*
3. *module*

Explanation

An attempt to write a log record, as part of a file update operation, has failed because the length of
the data in the record was greater than the maximum supported by the associated log stream.

**System action**
A trace entry is made and a dump is taken with a dumpcode of FC0524.

**User response**
Redefine the log stream using a structure which has a MAXBUFSIZE larger than that of the file update record size.

**Module:**
DFHFLJ

**XMEOUT parameters/Message inserts**
1. applid
2. module

**Destination**
Console

**DFHFC0525**  
**applid** (RLS | Non-RLS) OPEN of file **filename** failed because the forward recovery or replication log stream could not be opened. Module **module**

**Explanation**
While CICS was opening file **filename**, the CICS file control open/close routine in module **module** detected that the forward recovery or replication log stream for the sphere could not be opened. An internal call to the CICS logger has returned an error.

**System action**
CICS continues processing with file **filename** closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User response**
Check for an IXGxxxx message with the name of the logstream. Refer to the appropriate z/OS MVS System Messages, Volume 1 (ABA-AOM) manual and also the z/OS MVS Programming: Authorized Assembler Services Reference (Volume 1). If this does not help, you will need further assistance from IBM to resolve this problem. See Part 4 of the Troubleshooting and support for guidance on how to proceed.

**Module:**
DFHFCFS, DFHFCRO

**XMEOUT parameters/Message inserts**
1. applid
2. filename
3. module

**Destination**
Console

**DFHFC0526**  
**applid** An error occurred on the request to the CICS log manager to close the forward recovery log stream for file **filename**. Module **module**

**Explanation**
While CICS was processing file **filename**, the CICS file control open/close routine in module **module** detected that a request to close the forward recovery log stream for the associated sphere returned an error.

**System action**
Processing continues.

**User response**
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHFCFS, DFHFCRO

**XMEOUT parameters/Message inserts**
1. applid
2. filename
3. module

**Destination**
Console

**DFHFC0527**  
**applid** Recovery attributes for file **filename** have been overridden by new settings found on the catalog.
Explanation
While CICS was opening file `filename`, the CICS file control open/close routine detected that the recovery settings for the sphere have changed.

System action
Processing continues. The new recovery settings are assumed for the sphere.

User response
Ensure that the change is as required.

Module:
DFHFCRO

XMEOUT parameters/Message inserts
1. `applid`
2. `filename`

Destination
Console

DFHFC0528 `applid` RLS OPEN of file `filename` failed. Recovery attributes on the catalog have changed while there are other files still open for the sphere.

Explanation
While CICS was opening file `filename`, and retrieving information from the VSAM catalog using callable service IGWARLS, the CICS file control open/close routine detected that the recovery attributes on the catalog have changed. There are currently other files open for the sphere which have assumed the previous recovery attributes. Further opens will fail until all files have closed or the recovery attributes are returned to their previous settings. Recovery attributes on the catalog should not be changed without first quiescing the associated sphere in all CICS systems that use it.

System action
CICS continues processing with file `filename` closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User response
Quiesce the sphere and start again with the new settings.

Module:
DFHFCRO, DFHFCFS

XMEOUT parameters/Message inserts
1. `applid`
2. `filename`
3. `module`

Destination
Console

DFHFC0530 `applid` (RLS / Non-RLS) OPEN of file `filename` failed. The automatic journal is the same stream as the system log. Module `module`.

Explanation
While CICS was opening file `filename`, the CICS file control open/close routine in module `module` detected that the access type had been changed from RLS to non-RLS VSAM or vice versa. This has the effect of clearing out existing recovery attributes and starting again.

System action
Processing continues. The new recovery settings are assumed for the sphere.

User response
None.

Module:
DFHFCRO, DFHFCFS
so an internal call to the CICS logger has returned an error.

**System action**

CICS continues processing with file `filename` closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User response**

Ensure that the stream given in the FCTE for automatic journaling is different from the system log.

**Module:**

DFHFCFS, DFHFCRO

**XMEOUT parameters/Message inserts**

1. `applid`
2. Value chosen from the following options:
   - `1=RLS`, `2=Non-RLS`
3. `filename`
4. `module`

**Destination**

Console

DFHFC0531 `date time applid Automatic journal journalname journalname, opened for file filename is not of type MVS. Module module.`

**Explanation**

While CICS was opening file `filename`, the CICS file control open/close routine in module `module` detected that the stream specified for the automatic journal, `journalname`, was not of type MVS. For example, it might be a dummy log, or you might be journalising to an SMF data set. This message informs you of this in case the journal type is not what you intended. `journal` is the number specified for JOURNAL on the file definition.

**System action**

CICS continues processing.

**User response**

Ensure that the stream type for the automatic journal is correct.

**Module:**

DFHFCN, DFHFCRO

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `journal`
5. `journalname`
6. `filename`
7. `module`

**Destination**

CSFL

DFHFC0532 `applid {RLS | Non-RLS} OPEN of file filename failed because the automatic journal could not be opened. Module module.`

**Explanation**

While CICS was opening file `filename`, the CICS file control open/close routine in module `module` detected that the automatic journal for the file could not be opened. An internal call to the CICS logger has returned an error.

**System action**

CICS continues processing with file `filename` closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User response**

This is likely to be an internal CICS error. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHFCFS, DFHFCRO

**XMEOUT parameters/Message inserts**

1. `applid`
2. Value chosen from the following options:
   - `1=RLS`, `2=Non-RLS`
3. `filename`
4. `module`
Destination

Console

DFHFC0533 applid An error occurred on the request to the CICS log manager to close the automatic journal for file filename. Module module.

Explanation

While CICS was processing file filename, the CICS file control open/close routine in module module detected that a request to close the automatic journal returned an error.

System action

CICS continues processing.

User response

This is likely to be an internal CICS error. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHFCFS, DFHFCRO

XMEOUT parameters/Message inserts

1. applid
2. filename
3. module

Destination

Console

DFHFC0534 applid Recovery attributes for file filename previously taken from the VSAM catalog have been overridden by new settings from the FCTE. Module module.

Explanation

While CICS was opening file filename, the CICS file control open/close routine in module module detected that the recovery settings for the sphere have been changed to undefined. For a non-RLS VSAM file, recovery attributes from the FCTE now take effect.

System action

Processing continues. The new recovery settings are assumed for the file.

User response

Ensure that this change to the recovery attributes is correct.

Module: DFHFCFS

XMEOUT parameters/Message inserts

1. applid
2. filename
3. module

Destination

Console

DFHFC0536 applid Recovery attributes for file filename previously taken from the FCTE have been overridden

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Explanation
While CICS was opening file `filename`, the CICS file control open/close routine in module `module` detected that the recovery settings for the sphere on the VSAM catalog are no longer undefined. The new recovery attributes now take effect because there are no other files open for the data set.

System action
Processing continues. The new recovery settings are assumed for the file.

User response
Ensure that this change to the recovery attributes is correct.

Module: DFHFCFS

**XMEOUT parameters/Message inserts**

1. `applid`  
2. `filename`  
3. `module`

**Destination**
Console

DFHFC0537  
`applid` OPEN of file `filename` failed. IGWARLS call has returned that the LOG parameter is not set to ALL but the BWO setting has been defined as TYPECICS. Module `module`.

Explanation
While CICS was opening file `filename` and retrieving information from the VSAM catalog using callable service IGWARLS, the CICS file control open/close routine in module `module` detected that BWO has been set to TYPECICS but LOG(ALL) has not been specified.

System action
CICS continues processing with file `filename` closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User response
If BWO(TYPECICS) is required, specify LOG(ALL). Alternatively, the setting BWO(NO) is recommended.

Module: DFHFCFS

**XMEOUT parameters/Message inserts**

1. `applid`  
2. Value chosen from the following options:
   
   1=RLS,
   2=Non-RLS
3. `filename`  
4. `module`

**Destination**
Console

DFHFC0540  
`applid` The BWO setting for file `filename` has not been explicitly set to NO or TYPECICS and is
assumed to be BWO(NO). Module  

**Explanation**

While CICS was opening file *filename*, the CICS file control open/close routine in module *module* detected that the BWO setting for the sphere on the VSAM catalog had not been explicitly specified as either BWO(TYPECICS) or BWO(NO). The setting is assumed to be BWO(NO).

**System action**

Processing continues. The BWO(NO) setting is assumed for the file.

**User response**

If you require to use backup while open, use the ALTER function of access method services to set BWO(TYPECICS) for this data set. If you do not require to backup while open, you do not need to take any action, but you may wish to use the ALTER function of access method services to explicitly set BWO(NO).

**Module:**  
DFHFCFS

**XMEOUT parameters/Message inserts**

1. *applid*  
2. *filename*

**Destination**  
Console

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*  
4. *fwdrecovlog*  
5. *journalname*  
6. *filename*  
7. *module*

**Explanation**

While CICS was opening file *filename*, the CICS file control open/close routine in module *module* detected that RLS was not supported. Either this CICS system is running with system initialization parameter RLS=NO or the level of VSAM does not support RLS.

**System action**

CICS continues processing.

**User response**

Correct the definition of the forward recovery log if it was not what you had intended.

**Module:**  
DFHFCFS

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*  
4. *fwdrecovlog*  
5. *journalname*  
6. *filename*  
7. *module*
Explanation
An attempt was made to open a file filename for update processing. (SERVREQ=ADD, DELETE or UPDATE set), CICS detected that the recovery attributes, FWDRECOVLOG, on the file were inconsistent with LOGREPLICATE and LOGSTREAMID for the VSAM data set. The file was not opened.

System action
CICS continues processing with file filename closed and not enabled.

User response
Ensure that when using LOGREPLICATE for the VSAM data set and recovery attributes from the file definition, that the LOGSTREAMID matches the stream name that is generated from the FWDRECOVLOG attribute, on the file definition.
Alternatively specify all the recovery settings on the VSAM data set.

Module:
DFHFCFS

XMEOUT parameters/Message inserts
1. applid
2. filename
3. dsname

Destination
Console

Explanation
CICS had one or more data sets open in RLS access mode at the time of a failure of the coupling facility lock structure from which SMSVSAM was not able to recover transparently. As a result, the RLS locks held by CICS for those data sets have been lost.

SMSVSAM has informed CICS that one or more data sets are in a lost locks state with respect to this CICS. CICS must therefore perform lost locks recovery for those data sets.

This can occur on a CICS warm or emergency restart, and on a dynamic RLS restart. On a CICS cold or initial start, if there are any data sets with lost locks status, that status is cleared with respect to this CICS.

User response
Lost locks recovery normally completes automatically without requiring any action from the user. However, if there are shunted units of work which had updated a data set with lost locks status, these prevent lost locks recovery from completing until they are resolved. Use the INQUIRE UOWDSNFAIL command to investigate these shunted units of work.

If lost locks recovery appears to be taking a long time, you can compare the output obtained by issuing the IDCAMS SHCDS LISTSUBSYS(ALL) command at different intervals, to determine what progress has been made.
See the Administering recovery and restart for guidance on resolving shunted units of work which hold RLS retained locks.

**Module:**
DFHFCRR

**XMEOUT parameters/Message inserts**

1. applid

**Destination**
Console

DFHFC0556 applid Unexpected notification of completion of lost locks recovery for data set dsname.

**Explanation**
CICS has received a notification from SMSVSAM that lost locks recovery has completed for data set dsname, but CICS still has outstanding lost locks recovery work for that data set. This notification has therefore been issued out of sequence.

**System action**
CICS continues processing. The data set remains in a lost locks state, and CICS continues with its lost locks recovery. New file control requests against the data set will continue to be rejected with AFCU abends. When all CICS regions have completed their lost locks recovery for the data set, then a valid notification will be received and CICS will remove the data set from the lost locks state.

There will be an instance of this message on each CICS system for each data set when an unexpected notification is received.

**User response**
Lost locks recovery processing should complete normally without any user intervention.

However, this message is an indication of a probable logic error in SMSVSAM, so you should take dumps of all the SMSVSAM servers and their associated data spaces in the sysplex. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHFCRR

**XMEOUT parameters/Message inserts**

1. applid
2. dsname

DFHFC0557 applid CICS is in the process of recovering data sets that require lost locks processing, count of total completed.

**Explanation**
CICS is in the process of recovering lost locks. This message displays the number of data sets that have already been recovered and total number of data sets that require lost locks processing.

**System action**
CICS processing continues.

**User response**
None.

**Module:**
DFHFCRR

**XMEOUT parameters/Message inserts**

1. applid
2. count
3. total

DFHFC0560 applid The register of the RLS control ACB has failed because the SMSVSAM server is not available. VSAM macro IDAREGP return code X'rmmm', reason code X'cccc'.

**Explanation**
While CICS was initializing file control, the call to VSAM to register the control ACB for RLS processing returned an error. The codes returned mean that the SMSVSAM server address space is not available.

**System action**
CICS continues processing but all RLS access is disabled. Any transaction attempting to use RLS files is sent a NOTOPEN condition. CICS reenables RLS access when the SMSVSAM server restarts.
**User response**
The SMSVSAM server address space should restart itself. If it does not, restart the SMSVSAM server address space manually. If the SMSVSAM server address space fails to restart, there may be a more severe error. In this case, you need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHFCCA

**XMEOUT parameters/Message inserts**
1. applid
2. X'rrrr'
3. X'cccc'

**Destination**
Console

**DFHFC0562**
applid The SMSVSAM server address space has failed to restart.

**Explanation**
This message provides a record of the restart of the SMSVSAM server address space by CICS.

**System action**
CICS processing continues.

**User response**
None.

**Module:**
DFHFCCA

**XMEOUT parameters/Message inserts**
1. applid

**Destination**
Console

**DFHFC0564**
applid The SMSVSAM server address space failed to restart.

**Explanation**
This message provides a record of the failure to restart the SMSVSAM server address space by CICS.

**System action**
If the SMSVSAM server address space fails to restart, there may be a more severe error. In this case, you need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**User response**
None.

**Module:**
DFHFCCA

**XMEOUT parameters/Message inserts**
1. applid
2. X'rrrr'
3. X'cccc'

**Explanation**
This message provides a record of the restart of the SMSVSAM server address space by CICS.
4. \textit{X'dddd'}

**Destination**

Console

**Explanation**

While CICS was quiescing RLS access the call to VSAM to unregister the RLS control ACB returned an error.

**System action**

CICS continues processing but all RLS access is disabled. Any transaction attempting to use RLS files is sent a NOTOPEN condition. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Use the VSAM codes to determine the cause of the problem. For the meaning of the VSAM codes, see \textit{z/OS DFSMS Macro Instructions for Data Sets}.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHFCCA

**XMEOUT parameters/Message inserts**

1. \textit{applid}
2. \textit{X'rrrr'}
3. \textit{X'cccc'}
4. \textit{X'dddd'}

**Destination**

Console

**Explanation**

While CICS was initializing access to VSAM RLS, the call to VSAM to register the RLS control ACB returned an error.

**System action**

CICS continues processing and all RLS access is disabled. Any transaction attempting to use RLS files is sent a NOTOPEN condition. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Use the VSAM codes to determine the cause of the problem. For the meaning of the VSAM codes, see \textit{z/OS DFSMS Macro Instructions for Data Sets}.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHFCCA

**XMEOUT parameters/Message inserts**

1. \textit{applid}
2. \textit{X'rrrr'}
3. \textit{X'cccc'}
4. \textit{X'dddd'}

**Destination**

Console

**Explanation**

While CICS was quiescing RLS access, the call to VSAM to unregister the RLS control ACB returned an error.

**System action**

CICS continues processing and all RLS access is disabled. Any transaction attempting to use RLS files is sent a NOTOPEN condition. Message DFHME0116, which contains the symptom string for this problem, is produced.
User response

Use the VSAM codes to determine the cause of the problem. For the meaning of the VSAM codes, see z/OS DFSMS Macro Instructions for Data Sets.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHFCCA

XMEOUT parameters/Message inserts

1. applid
2. X'rrrr'
3. X'cccc'

Destination
Console

DFHFC0568I  applid File control dynamic RLS restart has started.

Explanation
File control dynamic RLS restart has started.

System action
Processing continues.

User response
None. You can suppress this message with the system initialization parameter, MSGLEVEL=0.

Module:
DFHFCRR

XMEOUT parameters/Message inserts

1. applid

Destination
Console

DFHFC0569I  applid File control dynamic RLS restart has ended.

Explanation
File control dynamic RLS restart has completed successfully.

System action
Processing continues.

User response
None.

Module:
DFHFCRR

XMEOUT parameters/Message inserts

1. applid

Destination
Console

DFHFC0570  applid File control RLS access has been enabled.

Explanation
RLS access is now available.

System action
Processing continues.

User response
None.

Module:
DFHFCRR

XMEOUT parameters/Message inserts

1. applid

Destination
Console

DFHFC0571  applid RLS access cannot be restarted.

Explanation
An error has occurred while attempting to restart CICS access to VSAM RLS, either at startup, or during a dynamic RLS restart which took place when the VSAM RLS server became available while CICS was running. Because of this error, it may not be possible to access VSAM RLS again during this CICS run.

Access is made available again only if the VSAM RLS server in this MVS system fails causing CICS to perform dynamic RLS restart processing when it
restarts, or if you choose to deliberately recycle the RLS server to trigger a dynamic restart.

**System action**

CICS continues, but with access to VSAM RLS disabled (unless an offsite restart is being performed). Other CICS functions, including access to non-RLS VSAM files, should continue.

At the time the error affecting RLS restart is detected, CICS issues one or more messages and takes a system dump.

This error might also affect other aspects of this CICS system, for example if it is due to the corruption of internal CICS control structures.

If an **offsite restart** is being performed; that is, if OFFSITE=YES was specified as a system initialization override, then CICS does not continue, but is terminated with a system dump. When RLS offsite recovery is required, then there is no value in continuing without RLS, because it will be needed in order for the offsite restart to be able to complete. Until all CICS systems complete their offsite recovery work, including this one, no other CICS system in the CICSplex will be allowed to perform new RLS work either.

**User response**

If you do not need access to any VSAM RLS files from this CICS system, you can allow CICS to continue. For example, this CICS system might never open files in RLS access mode, or you might prefer to continue without RLS access in order to continue this CICS run.

If you do need to access VSAM RLS files from this CICS, consider shutting CICS down and restarting it, or recycling the VSAM RLS server. However, be aware that recycling the server causes all CICS systems in this MVS to go through dynamic RLS restart processing, which implicitly closes all files that were open in RLS access mode.

To determine the cause of the original error, examine the messages and the system dump that were issued when the error was detected.

If you are performing an **offsite restart**, then restart CICS with OFFSITE=YES still specified as a system initialization override.

**Module:**

DFHFCRR.

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**

Console

**DFHFC0574** **applid RLS offsite recovery will be performed. Normal RLS access is not allowed.**

**Explanation**

OFFSITE=YES has been specified as a SIT override, and RLS is supported by this CICS (RLS=YES has been specified and the level of DFSMS/MVS supports RLS). This message is issued during file control initialization to indicate that RLS offsite recovery processing is to be carried out during this CICS run.

**System action**

RLS access is not allowed until after this CICS has performed its RLS recovery work. Only tasks performing the recovery work are allowed RLS access. Message DFHFC0575 is issued when RLS recovery has been completed by this CICS. RLS access for normal work is not allowed until this CICS has issued message DFHFC0575 and received the reply GO. The description of message DFHFC0575 explains when it is safe to reply to the message.

**User response**

Wait for message DFHFC0575 to be issued. If this does not happen shortly after CICS restart has completed, there are probably some backout failed or indoubt failed units of work which had updated RLS data sets, and which are now delaying the completion of RLS recovery. In this case you should use the **INQUIRE UOWDSNFAIL** command to determine the causes of such failures, and to resolve them.

If some of the failures cannot be resolved cleanly, you may decide to force indoubt units of work and to reset locks for backout failed units of work. See the **Administering recovery and restart** for guidance on resolving RLS retained locks.

If CICS terminates for any reason before message DFHFC0575 is issued, specify OFFSITE=YES on the restart.

OFFSITE=YES must be specified on all restarts until the offsite recovery has completed and you have responded to message DFHFC0575.

**Module:**

DFHFCRP

**XMEOUT parameters/Message inserts**

1. **applid**
**Explanation**

This message is issued when a CICS system is participating in an offsite recovery of a CICSpplex.

The message is issued when this CICS system has completed all of its RLS recovery work. CICS has backed out or committed all units of work which had made updates to data sets open in RLS mode, and which were either inflight or shunted at the time of the disaster at the primary site (or, more exactly, which were in that state at the common point in time to which the CICS system logs have been pruned).

**System action**

CICS processing continues, but the system task which issued this message waits for your reply. RLS access is not allowed for user applications until the reply is received, after which CICS allows new RLS work to run. The User Response explains when it is safe for you to reply.

**User response**

The message indicates that RLS recovery work has been completed by a particular CICS region. Replying to it indicates that all RLS recovery for the CICSpplex has been completed. Do not reply until all CICS regions in the CICSpplex have issued this message. When this has happened, you should reply GO. When you next restart this CICS region after having replied GO, you should revert to the default value of NO for the system initialization parameter OFFSITE.

GO is the only reply allowed. If you supply any other response, the message is reissued with a new reply number.

If you suspect that there will be a problem getting some of the CICS regions in the CICSpplex to complete their RLS recovery work, and would therefore prefer to shut this CICS down in the meantime, you can use the main terminal to do so. You must specify OFFSITE=YES when you restart the CICS region because offsite recovery for the CICSpplex has not been completed. Remember that OFFSITE=YES must be specified on all restarts until the offsite recovery has completed and you have responded to message DFHFC0575.

**Module:**

DFHFCOR

**XMEOUT parameters/Message inserts**

1. applid
2. GO

**Explanation**

This message is issued when a CICS system is participating in an offsite recovery of a CICSpplex.

The message is issued when the reply GO has been supplied to message DFHFC0575.

**System action**

CICS allows user applications to access RLS because it is assumed that a reply of GO means that all CICS systems in the CICSpplex have completed their RLS recovery work, and it is therefore safe to allow sharing of RLS data sets.

**User response**

Once you have received this message, you can recode your SIT overrides so that OFFSITE=NO is specified when this CICS is next restarted.

**Module:**

DFHFCOR

**XMEOUT parameters/Message inserts**

1. applid

**Explanation**

If CICS is required to back out a unit of work that performed a write operation to a VSAM ESDS, or a BDAM data set, a backout failure will occur.

**Module:**

DFHFCOR

**XMEOUT parameters/Message inserts**

1. applid
2. filename filetype
3. XFCLDEL

**Explanation**

If CICS is required to back out a unit of work that performed a write operation to a VSAM ESDS, or a BDAM data set, a backout failure will occur.
System action
None. The message is informational.

User response
To prevent a backout failure in the case described above, enable and start a suitable XFCLDEL exit program. For further information, refer to Exit XFCLDEL, file control logical delete exit.

Module: DFHFCFS

XMEOUT parameters/Message inserts
1. applid
2. filename
3. filetype

Destination
Console

DFHFC0579 applid The last XFCLDEL global user exit program has been disabled.

Explanation
As the result of a DISABLE PROGRAM command, there are no XFCLDEL global user exit programs enabled. If CICS is required to back out a unit of work that performed a write operation to a VSAM ESDS, or a BDAM data set, a backout failure will occur.

System action
None. The message is informational.

User response
To prevent a backout failure in the case described above, enable and start a suitable XFCLDEL exit program. For further information, refer to Exit XFCLDEL, file control logical delete exit.

Module: DFHFCMT

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHFC0600 date time applid BUNDLE bundlename has successfully installed FILE filename as {Enabled | Disabled}.

Explanation
The CICS bundle bundlename has successfully installed FILE filename

System action
CICS continues normally.

User response
None.

Module: DFHFCBU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. bundlename
5. filename
6. Value chosen from the following options:
   1=Enabled,
   2=Disabled

Destination
CSFL

DFHFC0601 date time applid BUNDLE bundlename has failed to install FILE filename because {the definition is invalid | of an installation failure | the file name cannot begin with 'DFH' | an internal error occurred}.

Explanation
The CICS bundle bundlename has failed to install FILE filename The reason for the error is also given.

System action
The BUNDLE resource is disabled and the FILE is not created.
User response
Investigate and correct the cause of the failure. Check for any previous messages which may give you more information about the reason for the failure as follows:

definition is invalid
Check for a preceding DFHCAnnnn message. For example DFHCA5504 is output if the REMOTESYSTEM attribute is specified but the REMOTENAME attribute is not specified.

installation failure
Check for a preceding DFHAMnnnn console message. For example DFHAM4950 is output if a FILE with the same name already exists.

Discard and reinstall the BUNDLE resource.

Module:
DFHFCBU

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. bundlename
5. filename

6. Value chosen from the following options:
   1 = the definition is invalid,
   2 = of an installation failure,
   3 = the file name cannot begin with ‘DFH’,
   4 = an internal error occurred

Destination
CSFL

DFHFC0602 date time applid File name was not specified or is too long in BUNDLE bundlename.

Explanation
The CICS bundle bundlename has failed to install a FILE because the resource name was not specified or was too long.

System action
The BUNDLE resource is disabled and the FILE is not created.

User response
Correct the name of the file resource in the bundle manifest file. Discard and reinstall the BUNDLE resource.

Module:
DFHFCBU

XMEOUT parameters/Message inserts

1. applid
2. filename

Explanation
CICS file control issued an OPEN command for VSAM file filename but the command failed with VSAM return code cccc. The CICS internal error code eeee has a value of 8509 and rrrr is the return code in register 15.

This failure is probably caused by the file not being loaded before use by CICS.

System action
CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116, which contains the symptom string for this problem, is produced.

VSAM issues a console error message.

User response
Check whether the file has been loaded before being accessed by CICS. This condition is probably the result of a user error in passing an empty file to CICS.

For the meaning of the VSAM return code, see z/OS DFSMS Macro Instructions for Data Sets.

Module:
DFHFCFS

XMEOUT parameters/Message inserts

1. applid
2. filename
3. **eeee**
4. **rrrr**
5. **cccc**

**Destination**

Console

**DFHFC0931** *(applid OPEN of data table name)* failed for reason *n*.

**Explanation**

CICS was unable to OPEN the user-maintained data table *name* for reason *n*, where *n* may have one of the following values:

1. The data table support initialization module DFHDTINS could not be loaded.
2. Initialization of data table support has failed. This message is preceded by one of messages DFHFC0410, DFHFC0411 or DFHFC0412 which identifies the reason for the failure.
3. The source data set for the data table is not a KSDS base data set.
4. The data table OPEN module DFHDTST has reported an error. This message is preceded by one of messages DFHFC0430 or DFHFC0431 which identifies the error.
6. The file definition for the data table allows neither read nor browse access.

**System action**

The data table remains closed and is DISABLED. CICS processing continues.

**User response**

The appropriate user response depends on the reason code *n* as follows:

1. Check that module DFHDTINS is present in the library.

---

2. See the user action for the preceding message (which will be one of DFHFC0410, DFHFC0411 or DFHFC0412).
3. Check whether the data table has been associated with the intended source data set.
4. See the user action for the preceding message (which will be one of DFHFC0430 or DFHFC0431).
6. Change the SERVREQs in the file definition. There is no benefit in using data tables support for a file which cannot be read or browsed.

**Module:**

DFHFCFS

**XMEOUT parameters/Message inserts**

1. **applid**
2. **name**
3. **n**

**Destination**

Console

**DFHFC0932** *(applid OPEN of data table name)* was incomplete for reason *n*.

**Explanation**

CICS was unable to treat *name* as a CICS-maintained data table for reason *n*.

**System action**

The data table's source data set is opened for access as a normal VSAM data set, and no main storage table is built. CICS processing continues.

**User response**

The appropriate user response depends on the reason code *n*. Refer to message DFHFC0931 for a list of reason codes and their appropriate user responses.

Urgent action is probably not necessary when this message occurs, as no function has been lost. However, READ performance may be adversely affected.

**Module:**

DFHFCFS
XMEOUT parameters/Message inserts
1. applid
2. name
3. n

Destination
Console

DFHFC0933  applid MVS FREEMAIN failure detected during CLOSE of data table name.

Explanation
An MVS FREEMAIN, issued while CICS was attempting to release the storage associated with data table name, returned the error response R15=4. Some storage in the CICS address space has not been freed. The error is probably the result of some earlier overwriting of data table control areas.

System action
CICS closes data table name. CICS processing continues.

User response
This condition does not adversely affect the data tables function. However, if the problem recurs take a system dump (SDUMP) as soon as possible after the appearance of this message. For example, by means of a CEMT PERFORM SNAP command.

Module:
DFHFCFS

XMEOUT parameters/Message inserts
1. applid
2. name

Destination
Console

DFHFC0935  applid SHAREOPTIONS of the source for data table name allow inconsistencies between table and source.

Explanation
The cross region SHAREOPTION for the source data set associated with the data table name is 3 or 4, or the SHAREOPTION is 2 and the table is being opened only for read access. It is possible for another job in this MVS system to update the source without notifying CICS. The result of this is that the data table may no longer match the source data set.

System action
Opening and loading of the data table continues normally. CICS processing continues.

User response
Check that the SHAREOPTION is specified correctly and that the DISP parameter is correct.

Note that source data set changes are reflected in the data table only when the changes are made by the CICS system which owns the table.

Module:
DFHFCFS

XMEOUT parameters/Message inserts
1. applid
2. name

Destination
Console

DFHFC0936  applid Initiation of loading of data table name has failed.

Explanation
An attempt to initiate the table loading transaction for the data table name has failed.

System action
CICS processing continues. The effect this has is that the table always appears to be in the process of being loaded and the load completion exit, XDTLC, is not invoked.

One consequence of this is that the table is effectively demand loaded. This means that an entry is only made in the table when a transaction refers to it explicitly. A further consequence is that, for user maintained tables, API requests (other than READ) always result in a LOADING condition.

User response
Take remedial action after determining the cause of the failure from the trace of the OPEN request and from any related messages and dumps. It may be that the system action of leaving the table open, but
not loaded, adversely affects your application. For example, if the application depends on being able to update a user maintained table as soon as loading is complete. If so, closing and reopening the data table may be successful as an immediate response, if the problem was simply a temporary lack of resources.

**Module:** DFHFCFS

**XMEOUT parameters/Message inserts**

1. applid
2. name

**Destination**

Console

| DFHFC0937 | applid OPEN of name1 as a data table was not possible. The file has been opened and will use data table name2 which has the same source. |

**Explanation**

File name1 could not be opened as a CICS-maintained data table (CMT) because another CMT name2 is already open for the source data set specified in the file definition of name1. However, name1 is still able to benefit from shared data tables support by accessing the already open CMT.

**System action**

name1 is opened as a normal CICS file, and therefore automatically uses the existing data table name2 whenever possible.

**User response**

This is not normally a problem, but you should ensure that the data table name2 has the required characteristics in terms of its maximum number of records and in the behavior of any data table user exits that refer to it.

**Module:** DFHFCFS

**XMEOUT parameters/Message inserts**

1. applid
2. name1
3. name2

**Destination**

Console

| DFHFC0940 I | date time applid CICS data table load has started for data table name. |

**Explanation**

CICS file control has detected that an open request has been issued for data table name, and a task has been attached to load the data table.

**System action**

CICS processing continues.

**User response**

None.

**Module:** DFHFCFS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. name

**Destination**

CSFL

| DFHFC0941 I | date time applid CICS data table load has completed successfully for data table name. |

**Explanation**

The task that was attached to load the data table name has successfully completed loading.

**System action**

The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORC set to indicate a successful load. CICS processing continues.

**User response**

None.

**Module:** DFHFCFS
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. name

Destination
CSFL

DFHFC0942 E date time applid CICS data table load has terminated abnormally for data table name, reason code = X'xx'.

Explanation
The CICS task that is loading data table name has received a reason code X’xx’, where X’xx’ has one of the following values:

X'FB'
CICS file control has requested that the data table load be abandoned. This may occur, for example, if a close request has been made against the data table

X'FD'
an attempt has been made to add more entries to the data table than the maximum specified in the table definition

X'FE'
a shortage of virtual storage has been reported by the add entry (from DASD) service, due to a failure to get storage for the record. DFHDTUP trace entry AB 0B26 gives further information on the function, response and reason code, error code, and qualifier flags, associated with the failing request

System action
The user exit XDTLC is invoked, if enabled, unless file control has requested that the load be abandoned (reason code X'FB''). The value of the UEPDTORC parameter passed to the exit indicates that loading completed abnormally. No more records are loaded into the data table. The user exit may ask for the file to be closed.

If the table is CICS-maintained, provided that the user exit has NOT requested that the file be closed, those records which were not added are retrieved from the source data set to satisfy API requests.

If the table is user-maintained, requests to access any record which was not added results in a "not found" response code. If the table has been closed, then API requests result in an "unenabled" response code.

CICS processing continues.

User response
The appropriate user response depends on the reason code. User responses are as follows:

X'FB'
no action necessary

X'FD'
increase the size specified for the data table using the MAXNUMRECS field in its resource definition

X'FE'
review the dataspace storage use. For lack of storage problems, the most common error codes will be 06 (table entry descriptor storage), 07 (index node storage), or 08 (data storage). CICS uses dataspace DFHDT001 for descriptor entries, DFHDT002 for index nodes, and DFHDT003 through to DFHDT100 for data records. If there is insufficient space for entry descriptors or index nodes, consider splitting the data tables into different CICS regions; for example, different FORs. If a single data table has run out of space on its own, the limit of space for it has been reached, in which case consider whether it should be split into two or more separate tables. See the section "Storage use for shared data tables" in the CICS TS for z/OS 5.1: Shared Data Tables Guide" for more information on storage usage

Module:
DFHDTLX

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. name
5. X'xx'

Destination
CSFL and Console

DFHFC0943 E date time applid CICS data table load has terminated abnormally for data table name, reason code = X’xx’.
Explanation

The CICS task that is loading data table name has received an unexpected return code from CICS file control while browsing the source data set. The reason code X'xx' should be one of the following.

5. X'xx'

Destination
CSFL and Console

DFHFC0945 E date time applid CICS data table load has terminated abnormally for data table name.

Explanation

The special CICS transaction that was loading data table name has detected an abnormal termination.

System action

Depending on the cause of this abnormal termination, CICS may produce either a system dump or a transaction dump.

The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORC set to indicate that loading completed abnormally. CICS then terminates the loading transaction with abend code AFCM. No more records are loaded into the data table. The user exit may ask for the file to be closed.

If the table is CICS-maintained, provided that the user exit has NOT requested that the file be closed, those records which were not added are retrieved from the source data set to satisfy API requests.

If the table is user-maintained, requests to access any record which was not added result in a "not found" response code. If the table has been closed, API requests result in an "unenabled" response code.

CICS processing continues.

User response

Look at the system log for related CICS messages to determine the original abend detected by the loading transaction. Refer to the description of abend code AFCM for further information about the cause of the original termination.

For more information on how to determine system problems, refer to the Troubleshooting and support.

Module:
DFHDTLX

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. name
Explanation
The CICS task that is loading data table name has failed while calling file control to browse the source data set. The value of the reason code n indicates the type of failure as follows:
1. Response from FCFR was INVALID.
2. Response from FCFR was DISASTER.
3. Response from FCFR was PURGED.
4. FCFR failed for some unexpected reason.

System action
The user exit XDTLC is invoked, if enabled, with parameter UEPDTRC set to indicate that loading has completed abnormally. CICS then terminates the loading transaction with abend code AFCM. No more records are loaded into the data table. The user exit may ask for the file to be closed.

If the table is CICS-maintained, provided that the user exit has NOT requested that the file be closed, records which were not added are retrieved from the source data set to satisfy API requests. If the table is user-maintained, requests to access any record which was not added result in a "not found" response code. If the table has been closed, API requests result in an "unenabled" response code.

CICS processing continues.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Determine the cause of the failure of the domain call using the diagnostic information provided by file control.

Module: DFHDTLX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. name
5. n
Explanation
The CICS task to load a shared data table has failed while trying to inquire on the parameters passed to it during attach. The value of the reason code indicates the type of failure as follows:
1. Response from XMIQ was INVALID.
2. Response from XMIQ was DISASTER.
3. Response from XMIQ was PURGED.
4. XMIQ failed for some unexpected reason.

System action
The user exit XDTLC is not invoked as failure to retrieve the attach parameters means the file name is not known. CICS terminates the loading transaction with abend code AFCL. No records are loaded into the data table.

Requests to access any record which was not added result in a "not found" response code.

CICS processing continues.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Determine the cause of the failure of the domain call using the diagnostic information provided by the CIS Transaction Manager.

The file should be closed so that a load may be attempted again when it is next opened.

Module: DFHDTLX

XMEOUT parameters/Message inserts
1. applid
2. filename

Destination
CSFL and Console

DFHFC0950 applid Warning. File filename
Opened with VSAM SHROPT 3 or 4. CICS cannot prevent concurrent updates

Explanation
VSAM share options 3 and 4 permit updating of a data set from multiple regions. Under these circumstances, CICS cannot prevent concurrent updates.

The file is being opened for update against a data set defined with share options 3 or 4, and the file has been defined with the following auto-journaling options:

JNLADD = BEFORE, AFTER, or ALL

System action
The file is opened and a warning message is issued.

User response
None.

Module: DFHFCN

XMEOUT parameters/Message inserts
1. applid
2. filename

Destination
Console

DFHFC0951 applid (RLS | Non-RLS) OPEN of file filename failed. DSNAME not available from JCL or resource definition. Module module.

Explanation
A CICS attempt to open file filename failed because neither the JCL nor the resource definition specified the data set name.

CICS file control did not open file filename, because:
1. At initialization time, the startup JCL did not include a DD statement, and
2. No user-submitted routine allocated the file dynamically, and
3. The resource definition does not contain a DSNAME parameter to enable CICS to allocate the file dynamically.

**System action**

CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User response**

Before resubmitting the transaction, you must supply the data set name in the JCL or the resource definition. You can set the name in the resource definition while CICS is running by using the CEMT transaction or the EXEC CICS SET command or by using CEDA to correct and reinstall the FCT entry.

**Module:**
DFHFCFS, DFHFCRO

**XMEOUT parameters/Message inserts**

1. *applid*
2. Value chosen from the following options:
   - 1=RLS,
   - 2=Non-RLS
3. *filename*
4. *module*

**Destination**

Console

**DFHFC0952**

*applid* Dynamic allocation of *(RLS/Non-RLS)* file *filename* failed. Return code *X'rrrr'*,*X'cccc'* in module *module*.

**Explanation**

While dynamically allocating file *filename*, CICS file control issued an MVS DYNALLOC macro. The DYNALLOC failed with return code *cccc*. *rrrr* is the additional return code in register 15.

**System action**

CICS continues with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User response**

For the meaning of the DYNALLOC return codes, see the z/OS MVS Programming: Authorized Assembler Services Guide.

**Module:**
DFHFCFS DFHFCRO

**XMEOUT parameters/Message inserts**

1. *applid*
2. Value chosen from the following options:
   - 1=RLS,
   - 2=Non-RLS
3. *filename*
4. *X'rrrr'*
5. *X'cccc'*
6. *module*

**Destination**

Console

**DFHFC0953**

*applid* Non-RLS OPEN or CLOSE of file *filename* failed. CICS logic error *eeee*,*cccc*.

**Explanation**

While processing a request to open or close file *filename*, CICS detected an internal logic error in the file control services program. The value of *eeee* identifies the error as follows:

8105

The DFHFCFS set base dsname block failed. *cccc* is the return code from DFHFCFS.

8302

Request to DFHFCN for a pool that is not defined to CICS.

8701

Request to DFHFCN is not OPEN or CLOSE.

8704

Request to DFHFCL is not BUILD or DELETE.

8705

Request to DFHFCL is for invalid pool number *cccc*.

8706

Request to DFHFCL is for pool number *cccc* that is not defined to CICS.
DFHFCL failed to build BLDVRP parameters. cccc is the pool number.

Logic error at OPEN detected in DFHFCN at offset cccc.

**System action**

CICS terminates the task abnormally, produces a dump and continues processing with the status of file filename unchanged.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

This is probably a logic error in CICS. You should note, however, that terminating CICS with an immediate shutdown while opening or closing files may cause such logic errors to happen as a normal occurrence. This is because CICS terminated immediately without regard to running tasks.

It is also possible for this error to occur if CICS has to calculate parameters for the BLDVRP macro, (this happens if you do not supply an LSR pool definition), and all attempts to access the VSAM catalog for files in this LSR pool fail. Other messages are issued for the individual catalog failures.

**Module:**

DFHFCFS

DFHFC0954  applid RLS | Non-RLS) OPEN of file filename failed. No disposition specified for dynamic allocation. Module module.

**Explanation**

CICS file control cannot open file filename, because it is not allocated. It is not allocated because:

1. At initialization time, the startup JCL did not include a DD statement, and

2. The resource definition does not contain a DISPOSITION attribute to enable CICS to allocate the file dynamically.

**System action**

CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file are sent a NOTOPEN condition.

**User response**

If you want to use file filename in this run, supply the DISPOSITION attribute with the CEMT transaction or with a user transaction using the EXEC CICS SET command. When you have done this, transactions are able to access the file successfully.

The change described above is only effective for the lifetime of the CICS system. You can change the disposition of a file permanently using a JCL DD statement or the CEDA DEFINE FILE command.

**Module:**

DFHFCFS DFHFCRO

**XMEOUT parameters/Message inserts**

1. applid
2. filename
3. eeee
4. cccc

**Destination**

Console

DFHFC0955  applid Associated data set is dataset. Module module.

**Explanation**

This message follows DFHFC0952 or DFHFC0510. It identifies the VSAM data set referred to in that message.

**System action**

Processing continues in the way specified in DFHFC0952 or DFHFC0510.

**User response**

Follow the user response for DFHFC0952 or DFHFC0510 as appropriate.
XMEOUT parameters/Message inserts

1. applid
2. dataset
3. module

Destination
Console

DFHFC0956 applid {RLS | Non-RLS} OPEN of file filename failed. VSAM catalog error. Return code - X'eeee',X'cccc' in module module.

Explanation
While reading the VSAM catalog to open the VSAM data set filename, CICS file control received the return code cccc from a SHOWCAT macro. The value of eeee is an error code from DFHFCN as follows:

8112
SHOWCAT for the AIX of a path failed.

8113
SHOWCAT for the data component of a base failed.

8116
SHOWCAT for the base of a path failed.

8117
SHOWCAT for an upgrade member failed.

System action
CICS writes a system dump, and continues processing, with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User response
For the meaning of the SHOWCAT return code, see z/OS DFSMS Macro Instructions for Data Sets.

Module:
DFHFCFS, DFHFCRO

XMEOUT parameters/Message inserts

1. applid

2. Value chosen from the following options:
   1=RLS,
   2=Non-RLS

3. filename
4. X'eeee'
5. X'cccc'
6. module

Destination
Console

DFHFC0958 applid Non-RLS OPEN of file filename failed. VSAM resource usage conflict with open file.

Explanation
CICS did not open file filename because it found that its access method control block (ACB) specified a different buffer/string resource (NSR or LSR pool) from that specified by another ACB that is already open for the same base cluster.

VSAM provides integrity for different ACBs open for the same base cluster only if they use the same buffer/string resource.

System action
CICS writes a system dump and continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User response
Determine the correct buffer/string resource and modify the resource definition.

Alternatively, if you specify DSNSHARING(MODIFYREQS) in the resource definition and open the file for read only, CICS permits the use of different buffer/string resources because no integrity exposure exists.

Module:
DFHFCFS

XMEOUT parameters/Message inserts

1. applid

2. filename
Destination
Console

DFHFC0960 applid Non-RLS OPEN of file filename failed. Unable to build its LSR pool n. Return code - cccc.

Explanation
CICS has requested VSAM to build the local shared resource (LSR) pool specified in the resource definition for file filename. However, VSAM was unable to complete the request. n is the pool number, and cccc is the VSAM BLDVRP return code.

System action
CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Note:
The first time this error occurs, CICS writes a system dump before continuing.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
For the meaning of the BLDVRP return code, see z/OS DFSMS Macro Instructions for Data Sets.

Module:
DFHFCFS

Destination
Console

DFHFC0961 date time applid Calculation of LSR pool n parameters incomplete. Filename filename has no DSNAME.

Explanation
While dynamically calculating the parameters for the local shared resource pool (LSR) n, CICS found a FILE resource definition for which no DSNAME exists (either the resource definition has no DSNAME, or no DD statement exists).

System action
CICS processing continues.

Without a DSNAME, CICS cannot use the VSAM catalog to determine the file attributes. Therefore, in the LSR calculation, CICS uses the number of strings specified in the STRINGS attribute of the FILE resource definition but does not use the BUFFERS or KEYLEN information.

User response
Ensure that each FILE resource definition has either a DSNAME, or a DD statement corresponding to its DATASET name.

Exceptionally, if you use CPSM, please note that this message is normal for file EYUDREPN in a CMAS. Do not attempt to allocate a DSNAME or a DD statement for EYUDREPN in the JCL for the CMAS.

Module:
DFHFCFS

Destination
CSMT and Console

DFHFC0962 date time applid Calculation of LSR pool n parameters incomplete for file filename. VSAM catalog access error. Return code - cccc

Explanation
While CICS was dynamically calculating the parameters for the local shared resource (LSR) pool n, a VSAM SHOWCAT or a VSAM LOCATE failed with return code cccc. Parameters for file filename are incomplete.

System action
CICS retains the accumulated LSR parameters for file filename and continues processing. No further
attempts at calculating LSR parameters for file filename are made.

An exception trace is taken which identifies the failing VSAM request and its return code.

**User response**

For the meaning of the SHOWCAT return code, see z/OS DFSMS Macro Instructions for Data Sets. For the meaning of the LOCATE return code, see z/OS DFSMSdfp Advanced Services. This error indicates a corrupted VSAM catalog. If you cannot restore the catalog, you will need further assistance from IBM to resolve the problem. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHFCCL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. n
5. filename
6. cccc

**Destination**

Console and CSMT

DFHFC0963 applid LSR pool n not deleted. Code - cccc

**Explanation**

CICS requested VSAM to delete a local shared resource (LSR) pool n. During processing of the request, a VSAM DLVRP macro failed with return code cccc. (cccc is the VSAM DLVRP return code.)

**System action**

CICS takes a system dump and continues processing with the pool still in existence.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

For the meaning of the DLVRP return code, see the z/OS DFSMS Macro Instructions for Data Sets.

**Module:**
DFHFCFS

---

**DFHFC0964** applid Non-RLS OPEN of file filename failed. VSAM codes - eeee,rrrr,cccc.

**Explanation**

CICS file control issued an open for a VSAM file, filename. The open has failed with VSAM return code, cccc. eeee has a value of 8502 and represents the CICS internal error code and rrrr is the return code in register 15.

**System action**

CICS continues processing, with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

VSAM will have issued a console error message. Use the VSAM message and the VSAM return code in the CICS message to solve the problem.

Note that if the eeee,rrrr,cccc values are 8502,0008,0088, then this is a storage issue and VSAM was unable to obtain sufficient storage for some area needed to open the dataset. In some instances, even if the file is defined to use an LSRPOOL, CICS will open it in NSR mode. This will happen if the file is empty. When the file is empty, CICS will open it in Load Mode until the first record is written. The file will then be closed and reopened to use LSRPOOLS as defined in the file definition. When opened in Load Mode, bit FCTDLFLG in byte FCTVSVR2 will indicate this, and VSAM will issue GETMAINs for NSR buffers. These buffers are not part of the CICS DSAs, and the size of the GETMAINs will depend on the BUFFERSPACE(size) used in the IDCAMS DEFINE command.

For the meaning of the VSAM return code, see z/OS DFSMS Macro Instructions for Data Sets.

**Module:**
DFHFCFS
XMEOUT parameters/Message inserts

1. applid
2. filename
3. eeee
4. rrrr
5. cccc

Destination
Console

DFHFC0965 applid Open of BDAM file filename failed.

Explanation
CICS file control issued an open for a BDAM file, filename. The open failed.

System action
CICS takes a system dump and continues processing, with file filename closed and with its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
BDAM will have issued a console error message. Refer to the BDAM message for further guidance to solve the problem.

Module:
DFHFCFS

XMEOUT parameters/Message inserts

1. applid
2. filename

Destination
Console

DFHFC0966 applid Non-RLS OPEN of file filename failed. Unable to position ESDS. Error codes: eeee, rrrr, cccc.

Explanation
Before opening the VSAM ESDS file filename for output, CICS file control could not determine the end-of-data relative byte address (RBA) correctly. During the positioning process, CICS may perform any of the following steps, each of which can fail:

- Dynamically allocate the base cluster to DDname DFHESDS (if it is a path that is being opened)
- Open the base cluster for control interval (CI) processing
- Read the last CI in the file
- Determine the end-of-data in the file
- Close the base cluster
- Dynamically deallocate the base cluster.

The value of eeee in the message indicates the error or the failing function as follows:

8503
Open base cluster. rrrr is the VSAM return code in register 15. cccc is the error field in the VSAM ACB.

8504
Read last control interval (CI). rrrr is the VSAM return code in register 15. cccc is the FDBK field in the VSAM RPL.

8505
Last CI middle of spanned record.

8506
Close base cluster. rrrr is the VSAM return code in register 15. cccc is the error field in the VSAM ACB.

8507
Insufficient storage to get CI

8508
Dynamic allocation of base. rrrr is the MVS return code in register 15. cccc is the MVS DYNALLOC return code.

System action
CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
For the meaning of the VSAM return codes, see z/OS DFSMS Macro Instructions for Data Sets. For the meaning of the DYNALLOC return codes, refer to the z/OS MVS Programming: Authorized Assembler Services Guide. CICS file control uses control interval processing when opening a VSAM ESDS. Therefore,
ensure that you have specified ACCESS(CONTROL) for the data set.

**Module:**
DFHFCFS

**XMEOUT parameters/Message inserts**
1. applid
2. filename
3. eeee
4. rrrr
5. cccc

**Destination**
Console

**DFHFC0967**
applid Error detected while closing {RLS | Non-RLS} file filename - VSAM codes X'rrrr',X'cccc' in module module.

**Explanation**
CICS file control issued a close for VSAM file filename. The close failed with VSAM return code cccc. rrrr is the return code in register 15.

**System action**
CICS processing continues. CICS marks file filename as closed because VSAM will have closed the access method control block (ACB).

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Use the VSAM return code, cccc and the preceding VSAM console message to determine the cause of the problem.

For the meaning of the VSAM return code, see z/OS DFSMS Macro Instructions for Data Sets.

**Module:**
DFHFCFS, DFHFCSR

**XMEOUT parameters/Message inserts**
1. applid
2. Value chosen from the following options:
   1=RLS,
   2=Non-RLS
3. filename

**Destination**
Console

**DFHFC0968**
applid Close of BDAM file filename failed

**Explanation**
CICS file control issued a close for a BDAM file, filename. The close failed.

**System action**
CICS takes a system dump and continues, with file filename still open.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
BDAM will have issued a console error message. Use the BDAM message to solve the problem.

**Module:**
DFHFCFS

**XMEOUT parameters/Message inserts**
1. applid
2. filename

**Destination**
Console

**DFHFC0969**
applid Non-RLS CLOSE of file filename failed. CICS logic error - 8799 rrrr, cccc.

**Explanation**
While attempting to close file filename, CICS detected internal logic error 8799 in the file control services program. cccc is the offset in DFHFCN at which the error occurred.

**System action**
CICS terminates the task abnormally, takes a system dump, and continues processing with the status of file filename unchanged.
Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHFCFS

**XMEOUT parameters/Message inserts**

1. applid
2. filename
3. rrrr
4. cccc

**Destination**
Console

**DFHFC0971**  
`applid` Non-RLS OPEN of file `filename` returned warning when positioning ESDS. Error codes: `rrrr`, `cccc`.

**Explanation**

Before opening the VSAM ESDS file `filename` for output, CICS file control had to determine the end-of-data relative byte address (RBA). The positioning process involved the dynamic allocation and deallocation of the base cluster to DDname DFHESDS. The deallocation failed.

The MVS DYNALLOC return code is `cccc`. `rrrr` is the additional return code in register 15.

**System action**

CICS opens the file `filename` and continues processing.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

For the meaning of the DYNALLOC return codes, see the z/OS MVS Programming: Authorized Assembler Services Guide.

**Module:**
DFHFCFS

**XMEOUT parameters/Message inserts**

1. applid
2. filename
3. rrrr
4. cccc

**Destination**
Console

**DFHFC0972** `{RLS | Non-RLS} OPEN of file `filename` failed. VSAM catalog entry not found, return code - 8111 X`cccc` in module `module`.

**Explanation**

While opening a VSAM file `filename`, CICS file control attempted to retrieve information from the VSAM catalog using the file name given in the JCL or the resource definition. This initial retrieval failed with
VSAM return code cccc from the SHOWCAT macro. 8111 indicates where within CICS file control the error was detected.

**System action**
CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User response**
Check that the resource definition for the file specifies the correct DSNAME. If DSNAME is correctly specified, see the explanation of the SHOWCAT return code in z/OS DFSMS Macro Instructions for Data Sets.

**XMEOUT parameters/Message inserts**
1. applid
2. Value chosen from the following options:
   1=Rls,
   2=Non-Rls
3. filename
4. X'cccc'
5. module

**Destination**
Console

DFHFC0973 applid Dynamic deallocation of \{RLS | Non-RLS\} file filename failed. Return code - X'rrrr',X'cccc' in module module.

**Explanation**
While closing file filename, CICS file control issued the MVS macro, DYNALLOC, to dynamically deallocate the file. Deallocations failed with the MVS return code, cccc. rrrr is the return code in register 15.

**System action**
CICS continues with the file closed, but still allocated. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
If you change the DSNAME in the resource definition, and then reopen the file in the same CICS run, CICS may open the original data set. For explanation of the MVS return code, refer to the z/OS MVS Programming: Authorized Assembler Services Guide.

**Module:**
DFHFCFS, DFHFCRO

**XMEOUT parameters/Message inserts**
1. applid
2. Value chosen from the following options:
   1=Rls,
   2=Non-Rls
3. filename
4. X'rrrr'
5. X'cccc'
6. module

**Destination**
Console

DFHFC0974 date time applid Calculation of LSR pool n parameters incomplete for file filename. VSAM catalog inconsistency - oooo

**Explanation**
While dynamically calculating local shared resource (LSR) parameters for file filename, CICS found that a VSAM SHOWCAT macro gave a normal return code, but the object retrieved was logically incorrect. n is the pool number, and oooo is the VSAM object type in error.

**System action**
CICS retains the accumulated LSR parameters for file filename, and continues processing. No further attempts at calculating LSR parameters for file filename are made.

**User response**
This error indicates a corrupted VSAM catalog. If you cannot restore the catalog, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHFCL
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. n
5. filename
6. oooo

**Destination**

Console and CSMT

**DFHFC0975**  
*aapplid LSR pool n already exists*

**Explanation**
CICS requested VSAM to build the local shared resource (LSR) pool *n*. However, this pool already exists.

**System action**
CICS takes a system dump and continues processing. If the existing pool is unsuitable, subsequent file OPENs may fail.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Examine the system console log and the LSR statistical data for pool creation and deletion times, and in the case of the log, for possible pool delete failures. (The simplest and most likely reason for this error is the failure of a previous attempt to delete pool *n*.)

**Module:**
DFHFCFS, DFHFCRO

**XMEOUT parameters/Message inserts**

1. applid
2. Value chosen from the following options:
   1=RLS,
   2=Non-RLS
3. filename
4. module

**Destination**

Console

**DFHFC0977**  
*aapplid {RLS | Non-RLS} OPEN of file *filename* failed. VSAM catalog error. Return code - X'eeee',X'cccc' in module module.*

**Explanation**
While CICS was opening file *filename* and retrieving information from the VSAM catalog, an SVC 26 (LOCATE macro) failed with return code cccc. eeee is the CICS internal return code, as follows:

8114  
SVC 26 failed on index or data.

8115  
SVC 26 failed on base cluster.

**System action**
CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.
User response
For the meaning of the LOCATE return code, see z/OS DFSMSdfp Advanced Services.

Module:
DFHFCFS, DFHFCRO

XMEOUT parameters/Message inserts
1. applid
2. Value chosen from the following options:
   1=RLS,
   2=Non-RLS
3. filename
4. X’eeee’
5. X’cccc’
6. module

Destination
Console

DFHFC0978 applid {RLS | Non-RLS} OPEN of file filename failed. VSAM catalog error. Return code - X’eeee’ in module module.

Explanation
While CICS was opening file filename and retrieving information from the VSAM catalog, CICS file control open/close detected a CICS logic error. eeee is as follows:

8118
A VSAM catalog entry for a path does not have a base cluster or an AIX as its first association.

8119
In a VSAM catalog entry for an AIX, either the data association or the base cluster association is missing.

811A
In a VSAM catalog entry for a base cluster, the data association or the index association is missing.

811C
The open was requested against the data association or the index association. The base cluster, AIX or path should be specified instead.

System action
CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User response
Obtain a VSAM LISTCAT listing for file filename. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHFCFS, DFHFCRO

XMEOUT parameters/Message inserts
1. applid
2. Value chosen from the following options:
   1=RLS,
   2=Non-RLS
3. filename
4. X’eeee’
5. module

Destination
Console

DFHFC0979 date time applid LSR pool n parameters incomplete for file filename because the DSNAME specified in the resource definition could not be found on the VSAM catalog. VSAM has returned code rrrr in R15.

Explanation
While dynamically calculating VSAM local shared resource (LSR) parameters, CICS attempted to retrieve information from the VSAM catalog using the data set name in the resource definition for file filename because the DSNAME specified in the resource definition could not be found on the VSAM catalog. VSAM has returned code rrrr in R15.

System action
CICS continues processing, but does not use any parameters for file filename in calculations for the LSR pool.
User response

Ensure that you have correctly specified the JCL for the file, and that the catalog containing the file is included in the JCL. If these checks do not reveal the error, see the meaning of the SHOWCAT return code, rrrr, in z/OS DFSMS Macro Instructions for Data Sets.

Module:
DFHFCFS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. n
5. filename
6. rrrr

Destination

CSMT

DFHFC0980 applid Non-RLS OPEN of base for file filename failed. CICS logic error eeee,cccc.

Explanation

While trying to open the VSAM ESDS base of a path through which a record insert has been requested for file filename, CICS has detected an internal logic error. eeee is as follows:

8E01
Request to DFHFCM is not OPEN or CLOSE.

8E99
Logic error during DFHFCM processing at offset cccc.

System action

CICS takes a system dump and terminates the transaction abnormally.

User response

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHFCM

XMEOUT parameters/Message inserts

1. applid
2. filename
3. eeee
4. cccc

Destination

Console

DFHFC0981 applid Dynamic allocation of base for non-RLS file filename failed. Return code rrrr,cccc.

Explanation

While trying to open the VSAM KSDS base of a path through which a record insert has been requested for file filename, CICS file control issued an MVS DYNALLOC command which failed with the return code cccc. rrrr is the return code in register 15.

System action

CICS takes a system dump and terminates the transaction abnormally.

User response

For the meaning of the DYNALLOC return codes, refer to the Application Programming on z/OS.

Module:
DFHFCM

XMEOUT parameters/Message inserts

1. applid
2. filename
3. rrrr
4. cccc

Destination

Console

DFHFC0982 applid Non-RLS OPEN of base for file filename failed. VSAM codes - rrrr,cccc.

Explanation

While trying to open the VSAM KSDS base of a path through which a record insert has been requested for file filename, CICS file control issued an OPEN which
failed with the VSAM error code cccc from the ACB. rrrr is the VSAM return code in register 15.

**System action**
CICS takes a system dump and terminates the transaction abnormally.

**User response**
VSAM issues a console error message. Use the VSAM message and the VSAM return code in the CICS message to solve the problem.

For the meaning of the VSAM return code, see the z/OS DFSMS Managing Catalogs.

**Module:**
DFHFCM

**XMEOUT parameters/Message inserts**
1. applid
2. filename
3. rrrr
4. cccc

**Destination**
Console

**DFHFC0983** applid Non-RLS CLOSE of base for file filename failed. CICS logic error eeee, cccc.

**Explanation**
While trying to close the VSAM KSDS base of a path through which a record insert has been requested for file filename, CICS has detected an error. eeee is as follows:

8E05
Failure in DFHFCM to close VSAM base. cccc is the error code from the VSAM ACB.

8E07
SVC 99 dynamic deallocation in DFHFCM failed. cccc is the SVC 99 error return code.

**System action**
CICS takes a system dump and continues processing, with base left open.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHFCM

**XMEOUT parameters/Message inserts**
1. applid
2. filename
3. eeee
4. cccc

**Destination**
Console

**DFHFC0987** applid (RLS | Non-RLS) OPEN of file filename failed: Not available for type of processing. VSAM codes - 0008, 00A8 in module module.

**Explanation**
When CICS attempted to open the VSAM file filename, the OPEN failed with the VSAM return codes shown in the message text. The probable reason for the failure is that the data set is in use by another region or another ACB in the CICS region, and that the VSAM share options prohibit the level of sharing needed to permit the OPEN.

A data set cannot be opened by different files in both RLS and non-RLS mode at the same time, with two exceptions:

- Another CICS region or batch process can open a data set in non-RLS read-only mode at the same time as the data set is open in RLS mode.
- The XFCRLSCO user exit can override the default behavior and open the data set using both RLS and non-RLS files, provided that the non-RLS files have read-only access.

**System action**
CICS continues processing, with the file left closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116, which contains the symptom string for this problem, is produced.
**User response**

If the data set is in use by another user, wait until it is free and then retry the OPEN.

If the problem recurs and you cannot resolve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHFCFS, DFHFCRO

**XMEOUT parameters/Message inserts**

1. applid
2. Value chosen from the following options:
   - 1=RLS,
   - 2=Non-RLS
3. filename
4. module

**Destination**

Console

**DFHFC0988** applid Non-RLS OPEN of file filename failed. This data set type is not supported by CICS.

**Explanation**

An attempt to open file filename has failed because the file referenced a data set of a type not supported by CICS.

CICS File Control supports opening VSAM KSDS, ESDS, RRDS and VRRDS data sets, paths over KSDS and ESDS data sets, and BDAM data sets. No other data set types are supported. For example, CICS does not support opening a VSAM linear data set.

**System action**

CICS continues processing with filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

You have probably specified DSNAME incorrectly in the file definition. Correct the file definition.

**Module:**
DFHFCFS

---

**XMEOUT parameters/Message inserts**

1. applid
2. filename

**Destination**

Console

**DFHFC0989I** applid Non-RLS OPEN of file filename will be delayed because the associated data set dataset is being recalled.

**Explanation**

File filename is taking longer than expected to open because the associated data set has been migrated and has to be recalled before the file open processing can complete.

**System action**

The open of file filename will be delayed until its associated data set has been recalled.

**User response**

None.

**Module:**
DFHFCN

---

**XMEOUT parameters/Message inserts**

1. applid
2. filename
3. dataset

**Destination**

Console

**DFHFC0990** applid {RLS | Non-RLS} OPEN of file filename failed. Recovery specified, but the path is not in the upgrade set. Base data set dsname. Module module.

**Explanation**

An attempt was made to open a recoverable file, associated with a VSAM path over an alternate index, for update processing (SERVREQ=ADD, DELETE or UPDATE set). However, the alternate index is not in the upgrade set of the base. CICS detects this condition and does not attempt to open the file.
If the alternate index is not in the upgrade set of the base, any updates made via the base are not reflected in the alternate index and so updates made via the path may compromise data integrity. Note the open of the path fails if RECOVERY=ALL or RECOVERY=BACKOUTONLY is specified on the resource definition for the path, or on the base data set.

The base takes the recovery attributes of the first file to open for update against it since a cold or initial start. Those attributes remain in force on the data set, and consistency checks are performed between the resource definition and the data set at file open time.

**System action**

CICS continues processing with file *filename* closed and not enabled.

**User response**

Take the data set offline and modify the resource definition for the alternate index. Run a BLDINDEX job to bring the alternate index up to date with the base data set and then retry the open of the file.

**Module:**

DFHFCFS, DFHFCRO

**XMEOUT parameters/Message inserts**

1. applid
2. Value chosen from the following options:
   - 1=RLS,
   - 2=Non-RLS
3. filename
4. dsname
5. module

**Destination**

Console

DFHFC0991 applid Non-RLS OPEN of file *filename* failed. Recovery attributes conflict with those on the VSAM data set - cccc. Base data set *dsname*

**Explanation**

An attempt was made to open a file *filename* for update processing. (SERVREQ=ADD, DELETE or UPDATE set), CICS detected that the recovery attributes on the file were inconsistent with those currently in force for the VSAM data set as recorded in the CICS data set name block. The file was not opened in order to maintain data integrity.

The data set takes the recovery attributes of the first file to open for update against it since a cold or initial start. Code cccc identifies the inconsistency found and takes the following values:

8514

Both the file and the data set have RECOVERY=ALL specified, but the forward recovery logs specified are different.

8515

The data set has RECOVERY=BACKOUTONLY or RECOVERY=NONE specified, and the file is trying to open with RECOVERY=ALL.

8516

The data set has RECOVERY=NONE specified. The file is attempting to open with RECOVERY=BACKOUTONLY.

851B

The file specified RECOVERY=NONE or BACKOUTONLY. The VSAM data set had RECOVERY=ALL specified.

851C

The file specified RECOVERY=NONE. The VSAM data set had BACKOUTONLY specified.

**System action**

CICS continues processing with file *filename* closed and not enabled.

**User response**

Ensure that files referencing the same VSAM data set have the same recovery attributes specified.

Modify the FILE resource definitions and reinstall them.

To nullify the recovery attribute set for the base data set, the user can issue a CEMT SET DSNAME REMOVE or EXEC CICS SET DSNAME REMOVE command. This deletes the base cluster block, and leaves CICS with no record of prior recovery settings for this VSAM data set. The first file to subsequently open against this data set causes a new base cluster block to be built. If the file is opened for update processing, the recovery attributes of this file are copied into the base cluster block.

If you want to have files referencing the same VSAM data set with different **backout** recovery attributes you should use Global User Exit XFCNREC.
Module: DFHFCFS

XMEOUT parameters/Message inserts

1. applid
2. filename
3. cccc
4. dsname

Destination
Console

DFHFC0995     applid Hiperspace allocation for LSR pool n was incomplete or zero.

Explanation
CICS requested VSAM to provide hiperspace buffers when building local shared resource (LSR) pool number n, but there was insufficient expanded storage available to satisfy the request completely.

System action
CICS continues processing. VSAM uses the buffers it has been able to provide.

User response
Review your installation's use of expanded storage and use MVS facilities to adjust its allocation, or change your LSRPOOL resource definition, to reduce the hiperspace buffer requirements for pool n.

Module: DFHFCFS

XMEOUT parameters/Message inserts

1. applid
2. n

Destination
Console

DFHFC0996 date time applid {Open | Close | Enable | Disable | Cancel of close} of file filename suppressed due to intervention of User Exit.

Explanation
An open, close, enable, disable or cancel close request has been issued against the specified file. An exit program enabled at the global user exit point XFCSEQ in CICS file control has directed CICS not to carry out the request.

System action
If the request being issued is an enable, disable, close or cancel close request, the file state remains unchanged, that is, it remains in the same state as before the request was issued.

If the request is an open request, the state remains unchanged unless the file was in a closed, enabled state. In this state, the open request could be an implicit open request, (that is, the file is being opened as part of a file API request). If it is an implicit open request, the file state is changed to closed unenabled to ensure the file API request is halted, and a NOTOPEN condition is returned to the application.

User response
Examine the reason for the command being suppressed. This is installation specific.

Module: DFHFCFS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. Value chosen from the following options:
   1=Open,
   2=Close,
   3=Enable,
   4=Disable,
   5=Cancel of close
5. filename

Destination
CSMT and Console

DFHFC0997I     applid RLS OPEN of file filename is delayed because the associated data set dsname is being recalled.

Explanation
RLS file filename is taking longer than expected to open because the associated data set has been migrated and has to be recalled before the file open processing can complete.
**System action**
The open of file *filename* is delayed until its associated data set has been recalled.

**User response**
None.

**Module:** DFHFCRO

**XMEOUT parameters/Message inserts**
1. applid
2. filename
3. dsname

**Destination**
Console

DFHFC0998  
*applid* User exit XFCNREC is causing file *filename* to be opened even though a file recovery inconsistency of type *X'code' exists. CICS cannot guarantee data integrity for base data set *dsname*

**Explanation**
An attempt was made to open file *filename* for update processing, (SERVREQ=ADD, DELETE or UPDATE set), and CICS detected that the backout recovery attribute on the file was inconsistent with that on the VSAM base data set. Normally CICS would fail the open on detection of an inconsistency. However, a program running at user exit XFCNREC has indicated that the open should continue even though an inconsistency has been detected. CICS can no longer guarantee the integrity of the data on the associated data set. Code *X'code' identifies the inconsistency and can take one of the following values:

*X'8516'

  The data set has RECOVERY=None specified. The file is attempting to open with RECOVERY=BACKOUTONLY.

*X'851C'

  The file specified RECOVERY=None. The VSAM data set had BACKOUTONLY specified.

An INQUIRE on the RECOVSTATUS for the data set from this point onwards returns a NOTRECOVABLE response. The data set is marked as not recoverable until the next CEMT SET DSNAME REMOVE, EXEC CICS SET DSNAME REMOVE command or cold or initial start.

**System action**
CICS opens file *filename* and continues processing using the recovery setting from the file definition to determine whether backout logging should be performed.

**User response**
Ensure that it is correct for the backout recovery attribute inconsistency to be ignored for this data set.

If the backout recovery attribute inconsistency should not have been ignored, ensure that files referencing the same VSAM data set have the same recovery attributes. If they do not, modify and reinstall their resource definitions.

To nullify the recovery attribute set for the base data set, issue a CEMT SET DSNAME REMOVE or EXEC CICS SET DSNAME REMOVE command. This deletes the base cluster block and leaves CICS with no record of prior recovery settings for this VSAM data set. The first file to subsequently open against this data set causes a new base cluster block to be built. If the file is opened for update processing, the recovery attributes of this file are copied into the base cluster block.

**Module:** DFHFCN

**XMEOUT parameters/Message inserts**
1. applid
2. filename
3. X'code'
4. dsname

**Destination**
Console

DFHFC0999  
*applid* RLS OPEN of file *filename* failed. RLS access is disabled.

**Explanation**
While CICS was opening file *filename* the CICS file control open/close routine detected that RLS access is disabled. A PREVIOUS open or record management request received a serious error from VSAM and disabled RLS access.
**System action**

CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

**User response**

Determine why RLS access was disabled.

**Module:**

DFHFCRO

**XMEOUT parameters/Message inserts**

1. *applid*
2. *filename*

**Destination**

Console

DFHFC2813  *applid* Program DFHRCEX cannot be found.

**Explanation**

An attempt to link to program DFHRCEX during file control initialization has failed. This is a severe error.

**System action**

CICS startup is abnormally terminated with a dump.

**User response**

Find out why DFHRCEX could not be located.

**Module:**

DFHFCRP

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *X'local-uowid'*
5. *filename*
6. *data-set-name*

**Destination**

CSFL

DFHFC3002  *date* *time* *applid* Record backed out at request of user exit although it may have been overridden by a non-RLS batch job. Diagnostic information follows in message DFHFC3010. The record was updated by unit of work *X'local-uowid'* for file *filename*, base data set *data-set-name*

**Explanation**

A log record was presented to file control for backing out, but although the updated record was protected by a VSAM RLS lock, a non-RLS batch job had elected to override the RLS locks held on this data set. However,
an exit program enabled at the XFCOVER exit point decided that the non-RLS batch job would not have caused corruption of the record, and requested that the backout should go ahead. The update had been made to the base data set data-set-name via the CICS file filename, under the unit of work identified by local_uowid.

System action

An attempt to backout the update is made because the user exit requested that backout should go ahead. Diagnostic information is provided by this message and the subsequent message DFHFC3010.

User response

See the associated message DFHFC3010 for more information and guidance.

Module:
DFHFCRC

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. X'local-uowid'
5. filename
6. data-set-name

Destination

CSFL

DFHFC3004 date time applid Record backed out because of the forced back out of an indoubt unit of work. Diagnostic information follows in message DFHFC3010. The record was updated by unit of work X'local-uowid' for file filename, base data set data-set-name

Explanation

A log record has been presented to file control for backing out because the local unit of work local-uowid, which was part of a distributed unit of work, has gone in-doubt, and CICS has backed out the local unit of work. This decision to back out the record is the result of one of the following:

• CICS received an SPI SET UOW or SET DSNAME command that specified BACKOUT.
• CICS received an SPI SET UOW or SET DSNAME command that specified FORCE and the indoubt attributes on the transaction definition specified BACKOUT.
• An indoubt WAIT timeout occurred, and the transaction definition specified BACKOUT.
One of the resource managers involved in the unit of work did not support waiting during the indoubt period.

The update being backed out was made to the base data set `data-set-name` via the CICS file `filename`. This and the subsequent message provides diagnostic information which is of use in correcting the situation if the actual resolution of the distributed unit of work was to commit it rather than to back it out.

**System action**

The update is backed out, and diagnostic information is provided by this message and the subsequent message DFHFC3010.

**User response**

See the associated message DFHFC3010 for more information and guidance.

**Module:**

DFHFCRC

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `X'local-uowid'`
5. `filename`
6. `data-set-name`

**Destination**

CSFL

**DFHFC3010**

`date time applid` Diagnostic information for unit of work `X'local-uowid'` and file `filename`. Update was a (read-update / write-add) made by transaction `tranid` at terminal `termid` under task number `tasknum`. Key length `key-length`, data length `data-length`, base ESDS RBA `X'base-RBA-or-zero'`, record key `X'record-key'`

**Explanation**

This message follows each DFHFC3001, DFHFC3002, DFHFC3003, or DFHFC3004 message, and provides additional information to help diagnose and correct the situation reported in the preceding message.

For any given `filename` and unit of work CICS normally issues messages of only one type; for example, a series of DFHFC3001 messages each followed by DFHFC3010, or a series of DFHFC3003 messages each followed by DFHFC3010.

The exception to this is when an exit program enabled at the XFCBOVER global user exit point elects to backout some updates and not to backout others. In this situation CICS might issue a combination of DFHFC3001 and DFHFC3002 messages (each followed by DFHFC3010) for the same `filename` and unit of work.

This message includes the following information:

**local-uowid**

The local unit-of-work identifier for correlation with the preceding message.

**filename**

The file name for correlation with the preceding message.

**read-update or write-add**

The type of before-image log record presented to file control. The type is `read-update` if the update made to the file was either: a READ UPDATE, READNEXT UPDATE or READPREV UPDATE request (which will normally have been followed by a REWRITE or DELETE request), or a DELETE request which specified a RIDFLD. The type is `write-add` if the update made to the file was a WRITE request.

**tranid**

The transaction under which the original update was made.

**termid**

The terminal from which the transaction which made the original update was run.

**tasknum**

The task number under which the transaction which made the original update was run.

**key-length**

The length of the record key.

**data-length**

The length of the data in the before-image.

**base-RBA-or-zero**

The base RBA if the update was made to a standard addressing ESDS, or zero if the update was made to any other kind of data set. If the update was made to an extended addressing ESDS, the XRBA of the record can be found in record-key.
**record-key**

The value of the record key field, in hexadecimal.

**System action**

None beyond the system action described under the preceding message.

**User response**

Use the diagnostic information to determine any changes that need to be made to the data set to ensure that the contents are correct. Once you have identified the record which may not now contain the correct contents, and the transaction which originally updated it, a knowledge of your application programs should allow you to determine the necessary action.

**Module:**
DFHFCRC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. X'local-uowid'
5. filename
6. Value chosen from the following options:
   1. read-update,
   2. write-add
7. tranid
8. termid
9. tasknum
10. key-length
11. data-length
12. X'base-RBA-or-zero'
13. X'record-key'

**Destination**

CSFL

**DFHFC4700** applid {An unexpected | A VSAM | A length | A lock | A timeout | An unexpected delete} error has occurred during file backout. (Module DFHFCFR has returned reason code (X'xx'), access method code (X'cccccccc') and length error code (X'yy').)

**Explanation**

File backout has called module DFHFCFR as part of its processing, and an error has been returned which should not be possible during backout. The message text includes the type of error that has occurred.

Additional diagnostic information is provided by: the reason code xx returned from DFHFCFR, the code ccccccccc which was returned to DFHFCFR from the access method that it called, and the length error code yy.

The length error code is normally either X'00', indicating that length errors are not applicable to the type of request which was in error, or X'01', indicating that there was no length error. A value greater than X'01' occurs when the message text indicates that the type of error is a length error.

**System action**

An exception trace point is written, and a system dump is taken.

The error is processed as a backout failure. Unless a user exit program enabled at the XFCBFAIL exit point bypasses backout failure processing, message DFHFC4701 or DFHFC4702 follows and gives details of the file and data set involved.

CICS continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Inform the system programmer. This indicates a possible error in CICS, VSAM or BDAM code. The severity of its impact depends on whether the backout can be successfully retried.

If the data set being backed out is a VSAM data set, you can retry the backout. Message DFHFC4701 names the data set, and the failed backout can be retried using SET DSNAME RETRY. If the problem is due to some transient condition which has since cleared, the backout will now succeed.

If the data set being backed out is a BDAM data set, the backout cannot be retried. The data is committed and the locks are released, unless an exit program enabled at the XFCBFAIL exit point terminates CICS, in which case data integrity can be preserved by performing an emergency restart.

If the backout cannot be successfully retried, then take action depending on the type of error indicated in the message text:

- An unexpected error
This probably indicates either a corruption of storage or an error within CICS code. It might also indicate an error within the access method called to process the request (VSAM or BDAM).

The reason code xx is the reason code from the DFHFCFR parameter list and has been included as additional documentation in case you need further help from IBM.

The access method code cccccc is information returned to file control in the VSAM RPL if the error was detected by VSAM, or the BDAM DECB if the error was detected by BDAM. For VSAM, the first byte is the VSAM return code and the second byte is the VSAM reason code; the third and fourth bytes may contain additional VSAM diagnostics (for more information, see z/OS DFSMS Macro Instructions for Data Sets). For BDAM, the access method code is the 4-byte exception codes field from the DECB (for more information, see z/OS DFSMS Using Data Sets).

- **A VSAM error**
  This indicates that an error has occurred within VSAM.

  The access method code cccccc is information returned to file control in the VSAM RPL. The first byte is the VSAM return code and the second byte is the VSAM reason code; the third and fourth bytes may contain additional VSAM diagnostics (for more information, see z/OS DFSMS Macro Instructions for Data Sets).

- **A length error**
  When a length error is reported, the length error code yy will be greater than X'01'. This normally indicates a serious error in CICS, VSAM, or BDAM processing. If it occurs for a BDAM data set, check the FCT and DCB definitions in case there is a mismatch between, for example, the block sizes, which would result in a length error.

- **A lock error**
  This indicates that backout processing has encountered a LOCKED response on attempting to acquire a lock on a record which is held as a retained lock by another unit of work. This should not be possible because the record should be locked by the unit of work being backed out. If this error occurs for a file being accessed in RLS mode, then it probably indicates an error in the SMVSAM server. If this error occurs for a file being accessed in non-RLS mode, then it probably indicates an error in CICS enqueue processing.

- **A timeout error**
  This indicates that backout processing has timed out attempting to acquire an RLS lock. This should not be possible during backout because the record should already be locked by the unit of work being backed out. If this error occurs then it probably indicates an error in the SMVSAM server.

- **An unexpected delete error**
  This indicates that the request to be backed out was a delete request, but that the file type is one for which deletes are not supported (VSAM ESDS or BDAM). The most likely cause of this error would be some corruption of the data set, although it might also indicate an error within CICS, or a storage corruption.

You may need assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHFCRC

**XMEOUT parameters/Message inserts**

1. applid
2. Value chosen from the following options:

   1. An unexpected,
   2. A VSAM,
   3. A length,
   4. A lock,
   5. A timeout,
   6. An unexpected delete

3. X’xx’
4. X’cccccccc’
5. X’yy’

**Destination**

Console

DFHFC4701 date time applid Backout failed for transaction tranid, VSAM file filename, unit of work X’local_uowid’, task task_number, base base_dsname, path path_dsname, failure code X’bfail_code’.

**Explanation**

File backout has been unable to backout an uncommitted change made to a VSAM data set via file filename, that was made by the unit of work local_uowid.

The file is associated with the data set path_dsname. This is either a base cluster data set if the
path_dsname and base_dsname given in the message are the same, or is a path data set whose base cluster is the base_dsname given in the message if the two names differ.

The change that is being backed out was originally made by task task_number servicing transaction code tranid, running under the unit of work local_uowid. The current task number will differ from the original one that is given in the message if this backout is itself a retry of an earlier backout which also failed, or is a backout being carried out following resolution of an indoubt situation, and the current transaction code will differ from the original one if the transaction has been disabled.

The failure code X'bfail_code' indicates the reason for the failure.

**System action**

The system continues normally.

Backing out of the unit of work continues, but no further attempts to backout updates made by this unit of work to the base_dsname named in the message are made.

When the unit of work has been backed out as far as is possible, those updates which could not be backed out are deferred (shunted) until the backout can be retried.

It is possible for other work to continue to access the base cluster data set, but the records in that data set that were changed by this unit of work are locked by retained locks. This ensures that any attempt to access these records results in a LOCKED response being returned to the application. The records must remain locked until the backout has been successfully retried in order to preserve data integrity.

If, when the backout is retried, it fails again for either the same or another reason, this message is issued again, with the failure code indicating the reason for the failure on this occasion.

**User response**

You may decide to leave the data set online for any of the errors indicated by X'bfail_code', especially if you believe that the backout failure may have been due to some transient situation, and that the backout may succeed if retried. You can manually drive retry of the backout using the SET DSNAME RETRY command, or alternatively wait until some event triggers retries of the shunted backouts in the system.

As a last resort, and at the cost of losing data integrity, you could bypass the deferred backout of uncommitted changes to this data set using the SET DSNAME RESETLOCKS command.

The user response depends on the value of the failure code X'bfail_code'.

**10**

The backout attempted to add a duplicate key value to a unique alternate index. The backout can never be carried out unless you can delete the existing record with this alternate key value, then retry the backout using SET DSNAME RETRY. This failure can only occur for a file being accessed in non-RLS mode.

**20**

The data set ran out of storage while the request was being processed. You should reallocate the data set with more space, then retry the backout using SET DSNAME RETRY. Do not forward recover the data set. If you accessed the file in RLS mode, there are extra steps required to ensure that the retained locks remain associated with the data set. These are explained in the Administering recovery and restart.

**24**

An I/O error has occurred on the data set. You should consider the possibility that the data set needs restoring, especially if there have been a large number of these messages referring to the same base cluster data set, or if there have also been I/O errors issued during request processing for that data set.

If you do decide to restore the data set, you should take the following steps:

1. Prevent access to the data set
2. Restore a backup copy and forward recover the data set (for example, using CICSVR)
3. Reallow access to the data set
4. Retry deferred backouts.

For an RLS mode data set, prevent access by issuing a SET DSNAME QUIESCED command which closes all open files throughout the sysplex and prevents further RLS opens. Reallow access by issuing a SET DSNAME UNQUIESCED command, which also retries deferred backouts automatically.

For a non-RLS mode data set, prevent access by issuing a SET DSNAME UNAVAILABLE command to prevent further non-RLS opens and issue SET FILE CLOSED commands for all open files. Reallow access by issuing a SET DSNAME AVAILABLE command, and retry deferred backouts using SET DSNAME RETRY.
Logical delete for an ESDS data set was not performed because the XFCLDEL exit either chose not to carry out the logical delete, or was not enabled.

A DFSMSdss non-BWO backup is in progress for the data set. The backout will be automatically retried when the backup completes.

A deadlock was detected. This can only happen for files opened in non-RLS mode. Since this is a transient condition, you should just retry the backout using SET DSNAME RETRY.

A failure of the VSAM RLS server was detected by this request. The backout is automatically retried when the server becomes available again.

VSAM RLS access is disabled because the server is unavailable. The backout is automatically retried when the server becomes available again.

The VSAM RLS server has recycled (failed and restarted) whilst a record was being backed out. This is a very rare occurrence since the failure and restart must have taken place after the record to be backed out was read for update, and before it was rewritten or deleted. A retry of the backout should be successful, but because the server has already become available, backout will not be automatically retried. You should use SET DSNAME RETRY to drive backout retry.

The VSAM RLS cache structure to which the data set was bound has either failed or has lost connectivity, and VSAM has been unable either to rebuild the failed cache structure, or to bind the data set to an alternative cache structure in the cache set. The backout is automatically retried when the cache structure becomes available again.

VSAM has returned a response indicating that the RLS lock structure in the coupling facility is full. Allocate a larger lock structure, rebuild into it and retry the backout using set dname retry. See z/OS MVS Setting up a Sysplex, (GC28-1779) and z/OS DFSMSdfp Storage Administration, (SC26-4920) for further information on how to allocate, and build into, larger lock structures.

There was no space to add another alternate key value to a non-unique alternate index. You should rebuild the data set with a larger alternate index data CI size (unless you are already at the maximum), and then retry the backout using SET DSNAME RETRY. If you accessed the file in RLS mode, there are extra steps required to ensure that the retained locks remain associated with the data set. These are explained in the Administering recovery and restart. Do not forward recover the data set.

An error occurred when opening the file for backout. Determine why the file would not open, and if it is possible to correct it, do so and then issue SET DSNAME RETRY to retry the backout. If the error occurred because the data set was quiesced, the backout is automatically retried when the data set is unquiesced. If the error occurred because the VSAM RLS server was not available, the backout is automatically retried when it becomes available again.

An error occurred which is not expected to be possible during backout. An exception trace point is written, message DFHFC4700 is issued and a system dump is taken. Use these to determine the cause of the error. It might be worth retrying the backout, using SET DSNAME RETRY, since the problem could have been some transient condition which has since cleared.

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. filename
6. X'local_uowid'
7. task_number
8. base_dsname
9. path_dsname
10. X'bfail_code'

Destination
CSFL and Console
**DFHFC4702**  
*date time applid*  
Backout failed for transaction *tranid*, BDAM file *filename*, unit of work *X'local_uowid'*, task *task_number*.

**Explanation**

File backout has been unable to backout an uncommitted change made to a BDAM data set via file *filename*, that was made by the unit of work *local_uowid*.

The change that is being backed out was originally made by task *task_number* servicing transaction code *tranid*, running under the unit of work *local_uowid*. However, if this backout is being attempted after waiting for an indoubt situation to be resolved, the current task number will be different from the original one given in the message, and transaction code will be different from the original one if the transaction has been disabled.

**System action**

The system continues normally.

Backing out of the unit of work continues, and any further failures to backout changes made to this BDAM data set result in the message being reissued.

Unless a program invoked at the backout failure exit point, XFCBFAIL, took some action to prevent it, it is possible for other work to continue to access the BDAM data set, but data integrity is compromised because the changes have not been backed out.

**User response**

Unless you are prepared to continue using the data set in spite of the loss of data integrity, you should take some action to correct matters, such as closing all files that are using the data set and backing out the uncommitted changes offline.

One possible cause of a BDAM backout failure is that a logical delete could not be performed because the XFCLDEL exit either chose not to carry out the logical delete or was not enabled. If this is the case then you may want to ensure that a suitable exit program is enabled at the XFCLDEL exit point, so that any future attempts at backing out writes made to BDAM data sets will succeed.

**Module:**  
DFHFCRC

**DFHFC4800**  
*date time applid*  
A failure has been detected on forward recovery log stream *log_stream*. The associated RLS data set *dsname* has been quiesced.

**Explanation**

The logger domain has detected an error on the forward recovery log stream *log_stream*. As a result, the associated RLS data set *dsname* cannot safely continue to be used.

**System action**

Processing continues. The RLS data set *dsname* has been quiesced.

**User response**

First, take a backup of the data set to establish a new forward recovery point. You can then correct the problem causing the log stream failure, delete and redefine the failed MVS log stream, and unquiesce the data set to reallow RLS access.

**Module:**  
DFHFCLF

**XMEOUT parameters/Message inserts**

1. *date*  
2. *time*  
3. *applid*  
4. *tranid*  
5. *filename*  
6. *X'local_uowid'*  
7. *task_number*

**Destination**

CSFL and Console

**DFHFC4801**  
*date time applid*  
A failure has been detected on forward recovery log stream *log_stream*. The associated non-RLS data set *dsname* has been set.
unavailable and its files closed.
Data set dsname

Explanation
The logger domain has detected an error on the forward recovery log stream log_stream. As a result, the associated non-RLS data set dsname cannot safely continue to be used.

System action
Processing continues. The data set dsname has been set unavailable and all files associated with it have been closed.

User response
First, take a backup of the data set to establish a new forward recovery point. Then, having corrected the problem which caused the log stream failure, you can delete and redefine the failed MVS log stream. If the name of the forward recovery log stream for the data set is held in the VSAM catalog, you can now make the data set available again, using SET DSNAME AVAILABLE. If the name of the forward recovery log stream for the data set is held in the file definition, you must issue SET JOURNALNAME RESET for the forward recovery log before making the data set available again using SET DSNAME AVAILABLE.

Module:
DFHFCLF

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. log_stream
5. dsname

Destination
CSFL and Console

DFHFC5801A
applid File OPEN has failed for VSAM data set. The BWO values in the ICF catalog indicate that data set needs to be restored and forward recovered. Data set 'dsname'.

Explanation
CICS has rejected a file open for the VSAM base data set dsname. This base data set could not be opened because the integrated catalog facility (ICF) catalog backup while open (BWO) flags indicated a corrupted data set.
This message is accompanied by message DFHFC5806 which includes the name of the file involved in the OPEN failure.
**System action**

The file open for data set `dsname` fails. CICS continues processing but the file is closed and its state is set to UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**Explanation**

CICS has rejected a file open for the VSAM base data set `dsname`. This base data set could not be opened because the ICF catalog backup while open (BWO) flags indicated that the data set was back-level and needed to be forward recovered. This failure occurs if a BWO of a VSAM base data set is restored but not forward recovered. This message is accompanied by DFHFC5806 which includes the name of the file involved in the OPEN failure.

**User response**

Carry out the following procedure:

1. If a BWO copy of this VSAM data set is available:
   a. Restore the BWO copy of this data set via DFHSM and/or DFDSS.
   b. Apply the CICS forward recovery logs via a log-apply utility, such as CICS VSAM Recovery (CICSVR), to bring the data set to a point of consistency.
2. If no BWO copy of this base data set exists but a normal quiesced copy does, apply the forward recovery logs to the data set in the normal way to bring the data set to a point of consistency.
3. Set the ICF catalog BWO flags to indicate that the data set has been recovered to the point of failure. This can be done by issuing a CEMT SET DSNAME RECOVERED or EXEC CICS SET DSNAME RECOVERED command.
4. Rename the data set to that of the original data set prior to the failure.
5. Make the data set available.

**Note:**

Some log-apply utilities, such as CICS VSAM Recovery MVS/ESA (CICSVR MVS/ESA) Version 2, set the ICF catalog BWO flags to a RECOVERED state after the CICS forward recovery logs have been applied.

**Module:**

DFHFCAT

**XMEOUT parameters/Message inserts**

1. `applid`
2. `dsname`

**Destination**

Console

DFHFC5802A  
`applid` File OPEN has failed for VSAM data set. The BWO values in the ICF catalog indicate that data set needs to be forward recovered. Data set 'dsname'.

DFHFC5803  
`applid` A severe error (code X'code') has occurred while inquiring/setting VSAM data set BWO attributes. Data set 'dsname' Return Code X'xxxxxxx' Reason Code X'yyyyyyyy' Prob Det X'zzzzzzzzzzzzzzz'.
Explanation

A severe error has been detected in DFHFCAT while inquiring or setting ICF catalog backup while open (BWO) attributes of base data set dsname. The error code is the exception trace point ID which uniquely identifies the call which has failed. The code X'code' can take the following values:

<table>
<thead>
<tr>
<th>Value</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'0B57'</td>
<td>A call to MVS/DFP Callable Services to inquire if a data set is known to a SMS sub-system has failed</td>
</tr>
<tr>
<td>X'0B59'</td>
<td>A call to MVS/DFP Callable Services to update the BWO flags to a forward recovered state for a data set has failed</td>
</tr>
<tr>
<td>X'0B5A'</td>
<td>A call to MVS/DFP Callable Services to update the recovery point for a data set has failed</td>
</tr>
<tr>
<td>X'0B5B'</td>
<td>A call to MVS/DFP Callable Services to update the BWO flags to a BWO disabled state for a data set has failed</td>
</tr>
<tr>
<td>X'0B5C'</td>
<td>A call to MVS/DFP Callable Services to inquire if the BWO flags for a data set were in a BWO enabled state has failed</td>
</tr>
<tr>
<td>X'0B5D'</td>
<td>A call to MVS/DFP Callable Services to update the BWO flags to a BWO enabled state for a data set has failed</td>
</tr>
</tbody>
</table>

For further information about CICS exception trace entries, see the Troubleshooting and support.

The values xxxxxxxx, yyyyyyyy and zxxxxxxxxxxxxx are the BWO return code, reason code and problem determination code from the MVS/DFP Callable Services Interface call to update/inquire the ICF catalog BWO attributes.

This message is accompanied by message DFHFC5806 when a file open failure occurs or by message DFHFC5810 when a file close failure occurs.

System action

CICS makes an exception trace point entry and issues this message. No system dump is taken. The actions taken depend on the operation in progress at the time of the error.

If the error occurs while opening a file, the open request fails, the file is closed, and its state is set to UNENABLED.

If the error occurs while closing a file, the status of the file is unchanged.

If the error occurs during activity keypoint when updating the recovery point, CICS tries to update the recovery point on the next activity keypoint that creates a keypoint directory element (KPDE).

If the error occurs while setting the data set RECOVERED via CEMT or EXEC CICS commands, a non-OK response is returned.

User response

Use the return code, reason code and problem determination code to determine why the call to MVS/DFP Callable Services has failed. For further information see MVS/DFP Callable Services in the z/OS DFSMSdfp Advanced Services.

Ensure that the appropriate level of MVS/DFP is installed on the processor where CICS is running. Also ensure that the data set is SMS managed and known to the SMS subsystem.

Module:

DFHFCAT

XMEOUT parameters/Message inserts

1. applid
2. X'code'
3. dsname
4. X'xxxxxxxxx'
5. X'yyyyyyyy'
6. X'xxxxxxxxxxxxxxxx'

Destination

Console

DFHFC5804  applid  File CLOSE failed during CICS termination. File 'filename'.

Explanation

An attempt to close file filename during orderly CICS termination has failed. This message is produced only as a warning that this file could not be closed. Data integrity has been maintained.

System action

CICS termination continues.
If this file was open against a base data set open for update with BACKUPTYPE=DYNAMIC specified, one of the following messages is issued on the first open for update for this base data set in the next CICS run:

   DFHFC5807  
   DFHFC5808  
   DFHFC5809.

**User response**

In order to avoid repetition of this failure, try to determine why the file was not closed from any other DFHFCxxxx messages produced during termination.

**Module:**

DFHFCSD

---

**DFHFS**

**XMEOUT parameters/Message inserts**

1. applid
2. filename
3. dsname

**Destination**

Console

DFHFC5806 applid File OPEN failed. DFHFCAT returned an error response from a BWO action on a VSAM data set. File 'filename' data set 'dsname'.

**Explanation**

An attempt to open file filename has failed due to the failure of a call to MVS/DFP Callable Services or due to an invalid state returned from a call to MVS/DFP Callable Services for the VSAM base data set dsname. This message is accompanied by one of the following messages depending on the type of error being reported:

   DFHFC0002  
   DFHFC5801  
   DFHFC5802  
   DFHFC5803

**System action**

CICS fails the file open request for data set dsname. Processing continues but the file is closed and its state set to UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User response**

See the accompanying message for the appropriate action to take in resolving this error.

**Module:**

DFHFCFS

---

**DFHFS**

**XMEOUT parameters/Message inserts**

1. applid
2. filename
3. dsname

**Destination**

Console

DFHFC5805 applid File OPEN failed. RECOVERY attributes of VSAM data set are not valid. File 'filename' data set 'dsname'.

**Explanation**

The file filename is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC). An attempt to open this file for update processing (SERVREQ=ADD, DELETE or UPDATE set), has failed because CICS has detected that the RECOVERY attributes have not been validated for the VSAM base data set dsname. A data set cannot be defined with BACKUPTYPE=DYNAMIC without RECOVERY=ALL specified.

**System action**

The file open for data set dsname fails. Processing continues but the file is closed and its state set to UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User response**

This is probably caused by a logic error in CICS. You should, however, check if there are any other DFHFCxxxx messages that indicate the cause of the error.

**Module:**
**Explanation**

An attempt to open file `filename` for update processing, (SERVREQ=ADD, DELETE or UPDATE set), against the VSAM base data set `dsname` has failed. This is because CICS has detected an attribute conflict between the opening CICS resource definition and the base data set's DSNB which was already opened for update. A FILE resource definition with a BACKUPTYPE=STATIC cannot be opened against a DSNB which already has or had a FILE resource definition opened against it with BACKUPTYPE=DYNAMIC. Similarly, a FILE resource definition with a BACKUPTYPE=DYNAMIC cannot be opened against a DSNB which already has or had a resource definition opened against it with BACKUPTYPE=STATIC.

**Note:**

A CICS base data set's DSNB cannot change BACKUPTYPE midway through a CICS run. In order to do this, you must destroy the DSNB and create a new one. There are three ways of doing this:

- CEMT SET DSNAME REMOVE
- EXEC CICS SET DSNAME REMOVE
- Terminate CICS and restart with a cold start.

If you respecify a DSNB with BACKUPTYPE=DYNAMIC, where previously it was specified with RECOVERY=None or BACKOUTONLY and BACKUPTYPE=STATIC, no forward recovery logging exists for the time that the DSNB had RECOVERY=None or BACKOUTONLY specified. Therefore you should take a backup copy of the data set before the change. This ensures that the data set can be recovered to a consistent point should a failure occur.

**System action**

The file open for data set `dsname` fails. CICS continues processing but the file is closed and its state set to UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User response**

Determine the correct values for the BACKUPTYPE and RECOVERY attributes, and if necessary, modify the resource definition for the file.

Alternatively, remove the old DSNB as already described and reattempt the open.

**Module:** DFHFCFS

**XMEOUT parameters/Message inserts**

1. applid
2. filename
3. dsname

**Destination**

Console

**Explanation**

The file `filename` is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC). While opening this file for update processing, (SERVREQ=ADD, DELETE or UPDATE set), against the VSAM base data set `dsname`, CICS detected that the ICF catalog has already defined this base data set as eligible for BWO.

If a batch job has updated this data set in a prior batch window and a DFHSM backup was scheduled for the same time, you should discard the backup produced in the batch window as it is not possible to forward recover it to a consistent point should a failure occur. This is because updates made to the data set in the batch window are not reflected in the CICS forward recovery logs. This situation is likely to arise if CICS fails to close a file defined with BACKUPTYPE=DYNAMIC during CICS termination.

**System action**

CICS updates the ICF catalog recovery point and open processing continues.

**User response**

To ensure complete data integrity, quiesce all files opened against this base data set and take a backup copy. This can now be forward recovered at a later date and reflects updates made to this data set during a prior batch window.

**Module:** DFHFCFS
XMEOUT parameters/Message inserts
1. applid
2. filename
3. dsname

Destination
Console
DFHFC5809   applid File OPEN warning. BACKUPTYPE attributes conflict with BWO values defined in ICF catalog. BWO values have been updated. File 'filename' data set 'dsname'.

Explanation
The file filename is defined as not eligible for backup while open for update (BACKUPTYPE=STATIC). While opening this file for update processing (SERVREQ=ADD, DELETE or UPDATE set), against the VSAM base data set dsname, CICS detected that the BWO flags in the ICF catalog already defined this base data set as eligible for BWO. However, the CICS resource definition and the DSNB define the base data set as not eligible for BWO.

If a batch job has updated this data set in a prior batch window and a DFHSM backup was scheduled for the same time, you should discard the backup produced in the batch window as it is not possible to forward recover it to a consistent point should a failure occur. This is because updates made to the data set in the batch window are not reflected in the CICS forward recovery logs.

This situation is likely to arise if CICS fails to close a file that is defined with BACKUPTYPE=DYNAMIC, during CICS termination and the file is redefined with BACKUPTYPE=STATIC on a subsequent CICS run.

System action
CICS updates the ICF catalog to indicate that the data set is no longer eligible for BWO. File open processing continues.

User response
Determine the correct value for the BACKUPTYPE attribute, and if necessary, redefine it via CEDA.

Module:
DFHFCFS

XMEOUT parameters/Message inserts
1. applid
2. filename
3. dsname

Destination
Console
DFHFC5810   applid File CLOSE failed. DFHFCAT returned an error response from a BWO action on a VSAM data set. File 'filename' data set 'dsname'.

Explanation
An attempt to close file filename has failed because of the failure of a call to MVS/DFP Callable Services for the VSAM base data set dsname. This file is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC), and is open for update processing, (SERVREQ=ADD, DELETE or UPDATE set). This message is accompanied by message DFHFC5803 or DFHFC0002, depending on the type of error reported.

System action
The file close request for data set dsname fails. Processing continues and the file remains open.

User response
See the accompanying message for the appropriate action to take in resolving this error.

Module:
DFHFCFS

DFHFC5811   applid File OPEN warning. BACKUPTYPE=DYNAMIC attribute has been ignored. File 'filename' data set 'dsname'.

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**Explanation**

The file *filename* is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC). During an attempt to open this file for update processing, (SERVREQ=ADD, DELETE or UPDATE set), against the VSAM base data set *dsname*, either:

- CICS has detected that the appropriate levels of software needed for VSAM backup while open (BWO) support have not been installed, or
- The appropriate MVS/DFP Callable Services modules could not be loaded.

**System action**

CICS ignores the BACKUPTYPE=DYNAMIC parameter and continues as if STATIC were specified. File open processing continues.

**User response**

If BWO support is required, ensure that the appropriate level of MVS/DFP Callable Services is installed.

If BWO support is not required, ensure that the file is defined with the BACKUPTYPE=STATIC attribute.

**Module:** DFHFCFS

**XMEOUT parameters/Message inserts**

1. *applid*
2. *filename*
3. *dsname*

**Destination**

Console

DFHFC5812 *applid* File OPEN warning. Level of {DFHSM | DFDSS | DFHSM and DFDSS} does not support BWO.

**Explanation**

You have opened a VSAM file for update and requested backup while open (BWO) support by specifying BACKUPTYPE=DYNAMIC in the resource definition. However, CICS has detected that the software release level of DFHSM and/or DFDSS required for BWO support has not been installed on the processor on which CICS is running.

This message is issued once for the first file to open for update and be defined as eligible for BWO after a cold or initial start.

**System action**

CICS file open processing continues. If the file open completes without error, the file is defined as eligible for BWO. However, no BWO backup facilities are available using DFHSM and/or DFDSS on the processor on which CICS is running.

**User response**

Ensure that DFHSM and/or DFDSS, both of version 2.5.0 or later, are installed on the processor on which the BWO backup is to be made.

**Note:**

DFSMS/MVS 1.1 (DFSMSHsm and DFSMSdss) supersedes DFHSM 2.5 and DFDSS 2.5.

**Module:** DFHFCAT
XMEOUT parameters/Message inserts

1. applid
2. Value chosen from the following options:
   1=DFHSM,
   2=DFDSS,
   3=DFHSM and DFDSS

Destination

Console

DFHFC5814 applid An error (code X'code') has occurred while inquiring on VSAM data set attributes in the ICF catalog. {SHOWCAT | LOCATE} return code X'rrrr'. Data set dsname.

Explanation

While reading the ICF catalog to obtain attributes of data set dsname, CICS received return code rrrr from a VSAM SHOWCAT or LOCATE macro or detected an associated error. The error code code is the exception trace which uniquely identifies the error. It can take the following values:

<table>
<thead>
<tr>
<th>Value</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'237A'</td>
<td>SHOWCAT for the data set failed with return code rrrr.</td>
</tr>
<tr>
<td>X'237B'</td>
<td>In the VSAM catalog entry for an AIX, either the data association or the base cluster association is missing.</td>
</tr>
<tr>
<td>X'237C'</td>
<td>SHOWCAT for the AIX of a path failed with return code rrrr.</td>
</tr>
<tr>
<td>X'237D'</td>
<td>The VSAM catalog entry for a path does not have a base cluster or an AIX as its first association.</td>
</tr>
<tr>
<td>X'237E'</td>
<td>LOCATE for the data set failed with return code rrrr.</td>
</tr>
</tbody>
</table>

For further information about CICS exception trace entries, see the CICS Diagnostics reference.

System action

CICS processing continues after making an exception trace entry and taking a system dump with dumpcode FC5814.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Use the SHOWCAT or LOCATE return code if present to determine the cause of the problem. For the meaning of the SHOWCAT return code, see z/OS DFSMS Macro Instructions for Data Sets. For the meaning of the LOCATE return code, see z/OS DFSMSdfp Advanced Services. A VSAM LISTCAT listing for the data set may also be useful.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:

DFHFCAT

XMEOUT parameters/Message inserts

1. applid
2. X'code'
3. Value chosen from the following options:
   1=SHOWCAT,
   2=LOCATE
4. X'rrrr'
5. dsname

Destination

Console

DFHFC5815 applid An error has occurred while inquiring on VSAM data set attributes in the ICF catalog. VSAM RLS codes X'rrrr', X'cccc'. Problem determination: X'dddddddd'. Data set dsname.

Explanation

While reading the ICF catalog to obtain RLS attributes of data set dsname, CICS received reason code cccc from a VSAM IGWARLS macro. rrrr is the return code in register 15. ddddddd is any available VSAM problem determination information.
**System action**

CICS processing continues after making an exception trace entry and taking a system dump with dumpcode FC5815.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Use the IGWARLS reason code and problem determination information to determine the cause of the problem. For the meaning of the IGWARLS reason code, see z/OS DFSMSdfp Advanced Services.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHFCAT

**XMEOUT parameters/Message inserts**

1. applid
2. X'rrrr'
3. X'cccc'
4. X'dddddddd'
5. dsname

**Destination**

Console

DFHFC5820 applid Any files that are still open against the base data set may need to be closed. File filename, data set dsname.

**Explanation**

File filename was the first file to open a dynamically allocated data set dsname. This file is being closed leaving one or more files still open against the same base data set. However, if one of these files requires secondary extents, the request will fail with a CICS ILLOGIC error (EIBRCODE X'08BA0000').

**System action**

Close processing completes normally.

**User response**

To avoid this potential problem, you are advised to close and reopen the files that remain open against the base data set. If you are unsure of the data set associations, run a LISTCAT against the above base dataset to produce a list of all associated data sets. Use CEMT INQ FILE(*) to identify which files are affected. All of these should be closed and reopened, for example, using the CEMT SET FILE(file name) CLOSE and CEMT SET FILE(file name) OPEN.

**Module:** DFHFCFS

**XMEOUT parameters/Message inserts**

1. applid
2. filename
3. dsname

**Destination**

Console

DFHFC6000 date time applid About to {quiesce | unquiesce} data set dsname

**Explanation**

This message is issued just before a request is made to VSAM RLS to quiesce or unquiesce base data set dsname throughout the sysplex. The quiesce or unquiesce is initiated either by an end user issuing EXEC CICS SET DSNAME QUIESCESTATE or the CEMT equivalent, or internally by CICS.

**System action**

The data set is quiesced or unquiesced, as indicated in the message.

**User response**

None.

**Module:** DFHFCQS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. Value chosen from the following options:
   1=quiesce,
   2=unquiesce
5. dsname

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Destination
CSFL

DFHFC6001  
\[\text{date time applid} \] Data set successfully \{quiesced / unquiesced\} by \{CICS / user\}. Data set \text{dsname}

Explanation
A request to VSAM RLS to quiesce or unquiesce base data set \text{dsname} throughout the sysplex has been successfully completed.

System action
CICS processing continues. The quiesce state of the data set in the ICF catalog is set to quiesced or unquiesced, as indicated in the message.

User response
None.

Module:
DFHFCQS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=quiesced,
   2=unquiesced
5. Value chosen from the following options:
   1=CICS,
   2=user
6. dsname

Destination
CSFL and Console

DFHFC6003  
\[\text{date time applid} \] Attempt by \{CICS / user\} to \{quiesce / unquiesce\} a data set has been rejected because \{quiesce / unquiesce / non-BWO backup / BWO backup / unknown event\} is in progress. Data set \text{dsname}

Explanation
This message is issued after a request to VSAM RLS to quiesce or unquiesce base data set \text{dsname} throughout the sysplex was rejected because a conflicting data set operation is in progress for that data set. The conflicting operation is specified in the message.

System action
CICS processing continues. The quiesce state of the data set in the ICF catalog remains unchanged.

User response
Wait for the conflicting data set operation to complete then retry the quiesce or unquiesce using EXEC CICS SET DSNAME or the CEMT equivalent.

Module:
DFHFCQS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=CICS,
   2=user
5. Value chosen from the following options:
   1=quiesce,
   2=unquiesce
6. Value chosen from the following options:
   1=quiesce,
   2=unquiesce,
   3=non-BWO backup,
   4=BWO backup,
   5=unknown event
7. dsname

Destination
CSFL and Console

DFHFC6005  
\[\text{date time applid} \] Attempt by \{CICS / user\} to quiesce a data set has failed. Quiesce was cancelled. Data set \text{dsname}
Explanation

A request to VSAM RLS to quiesce base data set \texttt{dsname} throughout the sysplex has been cancelled by a participating CICS region. The CICS region could be any CICS in the sysplex. The quiesce was cancelled for one of the following reasons.

- An end user issued an EXEC CICS SET DSNAME UNQUIESCED command
- User code at global exit XFCVSDS suppressed the quiesce
- User code at global exit XFCSREQ suppressed the close of a file that is open against the data set
- The quiesce would not complete and was timed out

A preceding console message in the sysplex indicates the reason. For XFCVSDS the message is DFHFC6023. For XFCSREQ the message is DFHFC6024. For timeout the message is DFHFC6020. If there is no preceding message, EXEC CICS SET DSNAME UNQUIESCED has been used.

System action

CICS processing continues. The quiesce state of the data set in the ICF catalog is set to unquiesced as a result of the cancel.

User response

The response depends on the reason for the cancellation. If a preceding message was issued, refer to the explanation for that message for background information.

If EXEC CICS SET DSNAME UNQUIESCED was the reason, determine what the desired quiesce state should really be. If it should be quiesced, issue an EXEC CICS SET DSNAME QUIESCED command or the CEMT equivalent.

If an exit suppressed the quiesce, the user code at XFCVSDS or XFCSREQ must be disabled on all CICS regions in the sysplex before the data set can be quiesced.

If the quiesce timed out, retry the quiesce using EXEC CICS SET DSNAME QUIESCED or the CEMT equivalent. If the timeout occurs again, consider using EXEC CICS SET DSNAME IMMQUIESCED or the CEMT equivalent. This force-purges transactions accessing the data set, thereby speeding up the closing of files. Alternatively, attempt to identify any long-running transactions that are using the data set, and terminate them.

Module:
DFHFCQS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. Value chosen from the following options:
   1=CICS,
   2=user
5. dsname

Destination

CSFL and Console

DFHFC6007 date time applid Attempt by \{CICS / user\} to \{quiesce / unquiesce\} a data set failed because the SMSVSAM server is not available. Data set dsname

Explanation

A request to VSAM RLS to quiesce or unquiesce base data set \texttt{dsname} throughout the sysplex has failed because the SMSVSAM server address space is not available.

System action

CICS processing continues. The SMSVSAM server address space should attempt to restart automatically. The quiesce state of the data set in the ICF catalog is unpredictable.

User response

The SMSVSAM server address space should normally restart itself. If it does not, restart the SMSVSAM server address space manually. Then issue an EXEC CICS SET DSNAME command or the CEMT equivalent to set the quiesce state in the ICF catalog to quiesced or unquiesced as desired.

If the SMSVSAM server address space fails to restart, there may be a more severe error. In this case, you need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHFCQS

XMEOUT parameters/Message inserts

1. date
2. time
Destination
CSFL and Console

**DFHFC6008**

**date**
**time**
**applid**
Attempt by {CICS | user} to {quiesce | unquiesce} a data set has failed. VSAM RLS codes **X'rrrr'**, **X'cccc'**. Data set **dsname**

**Explanation**
This message is issued after a request to VSAM RLS to quiesce or unquiesce base data set **dsname** throughout the sysplex failed with an unexpected error. The VSAM IDAQUIES macro failed with reason code **cccc**. **rrrr** is the return code in register 15.

**System action**
CICS processing continues after taking a system dump with dumpcode FC6008. The quiesce state of the data set in the ICF catalog is unpredictable.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Use the IDAQUIES reason code to determine the cause of the problem. For the meaning of the IDAQUIES reason code, see the z/OS DFSMSdfp Diagnosis.

When the problem has been resolved, issue an EXEC CICS SET DSNAME command or CEMT equivalent to set the quiesce state in the ICF catalog to quiesced or unquiesced as desired.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHFCQS

---

XMEOUT parameters/Message inserts

1. **date**
2. **time**
3. **applid**
4. Value chosen from the following options:
   - 1=CICS,
   - 2=user

**Destination**
CSFL and Console

**DFHFC6009**

**date**
**time**
**applid**
Attempt by {CICS | user} to {quiesce | unquiesce} a data set has failed because a VSAM data set could not be located **dsname**

**Explanation**
A request to VSAM RLS to quiesce or unquiesce base data set **dsname** throughout the sysplex failed because **dsname** could not be located.

**System action**
CICS processing continues.

**User response**
Investigate associated error messages to find the cause of the problem, then retry quiesce or unquiesce.

**Module:**
DFHFCQS

---
5. Value chosen from the following options:
   1=quiesce,
   2=unquiesce
6. dsname

**Destination**
CSFL and Console

**DFHFC6010**  
*date time applid*  
**Attempt by** *{CICS | user} to {quiesce | unquiesce} a** 
**data set has failed because it has** 
**been migrated. Data set dsname**

**Explanation**
A request to VSAM RLS to quiesce or unquiesce 
base data set *dsname* throughout the sysplex failed 
because *dsname* has been migrated. The data set 
must be recalled before the quiesce or unquiesce can 
take place.

**System action**
CICS processing continues.

**User response**
Recall the data set and retry the quiesce or unquiesce.

**Module:**
DFHFCQS

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=CICS,
   2=user
5. Value chosen from the following options:
   1=quiesce,
   2=unquiesce
6. dsname

**Destination**
CSFL and Console

**DFHFC6015**  
*date time applid*  
**About to cancel {non-BWO | BWO} backup of data** 
**set dsname**

**Explanation**
A request is about to be made to VSAM RLS to cancel a 
DFSMSdss-initiated backup for base data set *dsname*. 
This is performed in response to user code at global 
exit XFCVSDS suppressing the backup.
The message indicates whether the backup is BWO or 
non-BWO.

**System action**
The backup is cancelled throughout the sysplex.

**User response**
None.

**Module:**
DFHFCQS

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=non-BWO,
   2=BWO
5. dsname

**Destination**
CSFL

**DFHFC6016**  
*date time applid*  
**{Non-BWO | BWO} backup of a data set cancelled by** 
**CICS. Data set dsname**

**Explanation**
A request to VSAM RLS to cancel a DFSMSdss-initiated 
backup for base data set *dsname* has been successful.

**System action**
CICS continues processing. The BWO or non-BWO 
backup is cancelled throughout the sysplex.

**User response**
None.
Module: DFHFCQS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. Value chosen from the following options:
   1 = Non-BWO,
   2 = BWO
5. dsname

Destination
CSFL and Console

DFHFC6017 date time applid Attempt by CICS to cancel a {non-BWO | BWO} backup of a data set has been rejected because a cancel is already underway. Data set dsname

Explanation
A request to VSAM RLS to cancel a DFSMSdss-initiated backup for base data set dsname has been rejected because another cancel is already underway.

System action
CICS processing continues. The BWO or non-BWO backup is cancelled throughout the sysplex by the other cancel request.

User response
None.

Module: DFHFCQS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. Value chosen from the following options:
   1 = non-BWO,
   2 = BWO
5. dsname

Destination
CSFL and Console

DFHFC6018 date time applid Attempt by CICS to cancel a {non-BWO | BWO} backup of a data set failed because the SMSVSAM server is not available. Data set dsname

Explanation
A request to VSAM RLS to cancel a DFSMSdss-initiated backup for base data set dsname failed because the SMSVSAM server address space was not available.

System action
CICS processing continues. The SMSVSAM server address space should attempt to restart automatically.

User response
The SMSVSAM server address space should normally restart itself. If it does not, restart the SMSVSAM server address space manually. Then use DFSMSdss to retry the backup if it failed.

If the SMSVSAM server address space fails to restart, a more severe error is indicated. In this case, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHFCQS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. Value chosen from the following options:
   1 = non-BWO,
   2 = BWO
5. dsname
backup of a data set has failed. VSAM RLS codes X'rrrr', X'cccc'.
Data set dsname

Explanation
A request to VSAM RLS to cancel a DFSMSdss-initiated backup for base data set dsname has failed with an unexpected error. The VSAM IDAQUIES macro failed with reason code cccc. rrrr is the return code in register 15.

System action
CICS processing continues after taking a system dump with dumpcode FC6019. The BWO or non-BWO backup is not cancelled.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Use the IDAQUIES reason code to determine the cause of the problem. For the meaning of the IDAQUIES reason code, see the z/OS DFSMSdfp Diagnosis.
If you cannot resolve the problem, or the problem recurs, a more severe error is indicated. In this case, you will assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHFCQS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=non-BWO,
   2=BWO
5. X'rrrr'
6. X'cccc'
7. dsname

Destination
CSFL and Console

DFHFC6020  date time applid Timeout has occurred while quiescing a data set. Quiesce will be cancelled. Data set dsname

Explanation
The request made to VSAM RLS to quiesce base data set dsname throughout the sysplex has timed out. The timeout limit is given by the system initialization parameter QUIESTIM.
This is probably due to the presence of long-running transactions on a participating CICS region failing to reach syncpoint, and therefore preventing the close of files open against the data set.

System action
CICS cancels the quiesce throughout the sysplex by issuing an unquiesce for the data set. Depending upon the timing of the unquiesce request, one of two situations can result:
1. Normally the unquiesce is processed immediately and the quiesce request is canceled by VSAM.
   In this case, message DFHFC6020 is followed by messages DFHFC6000 and DFHFC6001 for the unquiesce completing.
2. Occasionally, depending on the timing of the unquiesce, the original quiesce request completes before the unquiesce request has been processed. Because the unquiesce cannot be canceled, it completes thereby canceling the original quiesce. In this case, message DFHFC6020 is followed by messages DFHFC6000, DFHFC6027, a DFHFC6001 for the quiesce completing, and another DFHFC6001 for the unquiesce completing.

User response
If timeouts occur regularly, the following action can be taken to resolve the problem
- Increase the QUIESTIM SIT value. This can be useful if the system is particularly busy when quiesces are likely to be issued.
- Change the long-running transaction which is holding up the request. Note that the transaction can be on any CICS in the sysplex.
The SET DSNAME IMMQUIESCED command can be used to force purge any transaction and quiesce the data set. This should not be used regularly because force purges can occasionally abend CICS. The messages issued as part of the force purge enable the system programmer to identify the long-running transaction if no other method is available.
See also the Explanation of message DFHFC6005 for guidance.

Module:
DFHFCQS

Chapter 2. CICS messages 885
DFHFC6021  date time applid  An error has occurred while
notifying VSAM RLS of the completion of CICS
processing for a data set quiesce or backup.  VSAM RLS
codes X'rrrr', X'cccc'.  Data set dsname

Explanation
An unexpected error occurred when CICS notified
VSAM RLS that it had completed its processing for a
data set quiesce, or for a BWO or non-BWO backup.
The VSAM IDAQUIES macro failed with reason code
cccc. rrrr is the return code in register 15.

System action
CICS processing continues after taking a system dump
is taken with dumpcode FC6021. The failure of the
IDAQUIES macro may cause the data set operation to
timeout or fail.

Message DFHME0116, which contains the symptom
string for this problem, is produced.

User response
Use the IDAQUIES reason code to determine the cause
of the problem. For the meaning of the IDAQUIES
reason code, see the z/OS DFSMSdfp Diagnosis.

If the data set operation has failed, retry the data set
operation once the problem has been resolved,
If you cannot resolve the problem, or the problem
reoccurs, a more severe error is indicated. In this case,
you will need assistance from IBM. See Working with
IBM to solve your problem for guidance on how to
proceed.

Module:
DFHFCQI

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'rrrr'
5. X'cccc'
6. dsname

Destination
CSFL and Console

DFHFC6022  STORAGE OBTAIN macro failure in
CICS RLS quiesce exit. MVS code
X'rrrr'

Explanation
The CICS RLS quiesce exit was driven by VSAM RLS to
process a data set operation request. An attempt was
made to get storage for the request but the STORAGE
OBTAIN macro failed. rrrr is the return code in register 15.

System action
The CICS RLS quiesce exit writes a GTF trace entry.
The request is not processed by CICS. The data set
operation continues throughout the sysplex.

User response
Use the return code to determine the cause of the
problem, then refer to the Explanation of message
DFHFC6030 for guidance. For the meaning of the
return code, refer to the z/OS MVS System Codes
manual.

Module:
DFHFCQX

Destination
Console

DFHFC6023  date time applid  The quiesce of a
data set has been suppressed by
user exit XFCVSDS. Quiesce will
be cancelled. Data set dsname

Explanation
User code at global exit XFCVSDS has suppressed a
quiesce for base data set dsname.

System action
CICS cancels the quiesce throughout the sysplex by
issuing an unquiesce for the data set.
User response
See the Explanation of message DFHFC6005 for guidance.

Module:
DFHFCQU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. dsname

Destination
CSFL and Console

DFHFC6024 date time applid The quiesce of a data set has been suppressed by user exit XFCSREQ. Quiesce will be cancelled. Data set dsname

Explanation
User code at global exit XFCSREQ has suppressed the close of a file open against base data set dsname. The file was being closed because the data set was being quiesced.

System action
CICS cancels the quiesce throughout the sysplex by issuing an unquiesce for the data set.

User response
See the Explanation of message DFHFC6005 for guidance.

Module:
DFHFCFS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. dsname

Destination
CSFL and Console

DFHFC6025 date time applid (Non-BWO | BWO) backup of a data set has been suppressed by user exit XFCVSDS.

Backup will be cancelled. Data set dsname

Explanation
User code at global exit XFCVSDS has suppressed a DFSMSdss-initiated backup for base data set dsname.

System action
CICS cancels the backup throughout the sysplex.

User response
If the backup must take place, before it can succeed the user code at XFCVSDS must be disabled on all CICS regions in the sysplex.

Module:
DFHFCQU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. dsname

Destination
CSFL and Console

DFHFC6026 date time applid An error has occurred while notifying VSAM RLS of the completion of CICS processing for a data set quiesce or backup. The SMSVSAM server is not available. Data set dsname

Explanation
CICS has notified VSAM RLS that it has completed its processing for a data set quiesce, or a BWO or non-BWO backup, but the SMSVSAM server address space is not available.

System action
CICS processing continues. The SMSVSAM server address space should attempt to restart automatically.
The data set operation may fail or succeed, depending on whether the SMSVSAM server concerned was coordinating the operation or not.

**User response**
The SMSVSAM server address space should normally restart itself. If it does not, restart the SMSVSAM server address space manually. Retry the data set operation if it has failed.

If the SMSVSAM server address space fails to restart, a more severe error is indicated. In this case, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHFCQI

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. dsname

**Destination**
CSFL and Console

**Message**
DFHFC6027

**Explanation**
CICS has successfully notified VSAM RLS that it has completed its processing for a data set quiesce or backup.

**System action**
CICS processing continues.

**User response**
None.

**Module:**
DFHFCQI

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. transid

**Destination**
CSFL

**Message**
DFHFC6028

**Explanation**
CICS system transaction CFQS or CFQR has started successfully.

CFQS and CFQR provide support for VSAM RLS data set quiesce and unquiesce operations, DFSMSdss-initiated BWO and non-BWO backups, and certain other data set related operations.

**System action**
CICS processing continues.

**User response**
None.

**Module:**
DFHFCQI

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. transid

**Destination**
CSFL

**Message**
DFHFC6029

**Explanation**
CICS system transaction CFQS or CFQR has failed due to a serious error. An attempt will be made to reattach the transaction transid.

A preceding message should indicate the cause of the error.
CFQS and CFQR provide support for VSAM RLS data set quiesce and unquiesce operations, DFSMSdss-initiated BWO and non-BWO backups, and certain other data set related operations.

**System action**
The transaction is reattached and CICS processing continues.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Check Transient Data Queue CSFL for message DFHFC6028, indicating that the reattach of the transaction was successful. If the reattach fails, VSAM RLS data set quiesce support is lost. If this happens, CICS must be restarted.

If it is not possible to restore VSAM RLS quiesce support, more severe error is indicated. In this case, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHFCQT

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. transid

**Destination**
CSFL and Console

**Explanation**
The CICS RLS quiesce exit was driven by VSAM RLS to process data set operation request type for data set or cache name, but encountered a severe error and was unable to process the request. The error is normally caused by a STORAGE OBTAIN macro failure.

A preceding console message (normally DFHFC6022) gives more information about the error.

This message is issued by DFHFCQR on behalf of the CICS RLS quiesce exit DFHFCQX.

**Note:**
The CICS RLS quiesce exit is used by VSAM RLS to notify CICS that processing is required for the following data set related operations. The number corresponds to type in the message.

- **01** The quiesce of a data set
- **02** The unquiesce of a data set
- **03** The start of a DFSMSdss non-BWO backup
- **04** The end of a DFSMSdss non-BWO backup
- **05** The start of a DFSMSdss BWO backup
- **06** The end of a DFSMSdss BWO backup
- **07** The recovery of lost locks for a data set
- **08** The completion of forward recovery for a data set
- **09** The recovery of a coupling facility cache structure.

**System action**
CICS continues after taking a system dump with dumpcode FC6030. The data set operation request is not processed by CICS.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Referring to the preceding console message, attempt to determine the cause of the problem.

Because CICS could not process the request, this might invalidate later processing. For example, if the request was for the quiesce of a data set, open files against the data set must be closed manually, or the quiesce retried using EXEC CICS SET DSNAME QUIESCED or the CEMT equivalent. If the request was in connection with a BWO or non-BWO backup, the backup may be invalid and should be discarded.

If you cannot resolve the problem, or the problem recurs, a more severe error is indicated. In this case, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.
IBM to solve your problem for guidance on how to proceed.

Module:
DFHFCQSR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X’type’
5. Value chosen from the following options:
   1=data set,
   2=cache
6. name

Destination
CSFL and Console

DFHFC6030  date time applid Attempt by
{CICS | user} to proces data
set operation request {quiesce
| unquiesce} failed because the
SMSVSAM server detected an
internal error. Data set dsname

Explanation
An attempt by a user to issue a quiesce function
for the base data set dsname failed because the
SMSVSAM server detected an internal error.

System action
CICS continues processing. The request is canceled
throughout the sysplex. Message DFHME0116, which
contains the symptom string for this problem, is
produced.

User response
None.

Module:
DFHFCQSR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=non-BWO,
   2=BWO
5. dsname

Destination
CSFL and Console
**Explanation**

An attempt by CICS to notify VSAM RLS of the completion of CICS processing for a data set quiesce or backup of a data set failed because the SMSVSAM server detected an internal error. Data set dsname

**System action**

CICS continues processing. See the message from DFSMSdss and the SMSVSAM server to identify the state of the backup request. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

None.

**Module:**

DFHFCQI

**XMEOUT parameters/Message inserts**

1. {date | time | applid | dsname | XMEOUT parameters/Message inserts | 1. date | 2. time | 3. applid | 4. Value chosen from the following options: | 1=CICS, user | 2=quiesce, unquiesce | 6. dsname

**Destination**

CSFL and Console

**DFHFC6035**  

**Explanation**

Attempt by CICS to cancel a backup request for the base data set dsname failed because the user is not authorized to access the sphere.

**System action**

CICS continues processing. See the message from DFSMSdss and the SMSVSAM server to identify the state of the backup request. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

None.

**Module:**

DFHFCQI
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. Value chosen from the following options:
   1=non-BWO,
   2=BWO
5. dsname

**Destination**

CSFL and Console

---

**DFHFC6036**

*date time applid* Attempt by CICS to notify VSAM RLS of the completion of CICS processing for a data set quiesce or backup of a data set failed because the user is not authorized to access the sphere. Data set *dsname*

**Explanation**

An attempt by CICS to notify VSAM RLS of the completion of CICS processing for a data set quiesce or backup for the base data set *dsname* failed because the user is not authorized to access the sphere. Data set *dsname*.

**System action**

CICS continues processing. See the message from DFSMSdss and the SMSVSAM server to identify the state of the backup request. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

None.

**Module:** DFHFCQI

---

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. dsname

**Destination**

CSFL and Console

---

**DFHFC6037 I**

*DATE TIME APPLID* Program *PROGRAM_NAME* has issued an RBA request against an extended addressing ESDS data set. File *filename*. Data set *dsname*.

**Explanation**

A program has issued a request using a 32-bit RBA against an extended addressing ESDS data set, which would normally be accessed by a 64-bit XRBA. The name of the file used is *filename*. The data set is *dsname*.

This message is informational.

Use of 32-bit RBAs with an extended addressing ESDS is allowed to enable existing programs to be used with extended addressing data sets. There are some limitations to what can be done by such programs because the RBA supplied is actually the low 32-bits of the 64-bit XRBA and is potentially ambiguous.

Existing programs that write records, and then subsequently browse the data set either from the beginning or the end will work. This is the normal way of using ESDS data sets.

An attempt to read a record by RBA or an attempt to start a browse at anywhere other than the beginning (RBA 0) or end (RBA -1) of the data set is unsupported and will fail.

If you do issue an unsupported RBA request you will receive one instance of message DFHFC6038 for each file against which an unsupported request is issued.

In order to avoid flooding the system with messages, this message is only produced once per CICS run. It is possible that other programs are issuing RBA requests against other extended addressing ESDS files.

**System action**

CICS continues processing.

**User response**

None. However, you may wish to review the program to ensure that it does not use RBAs in an unsupported way. You may wish to check that you have not received any instances of message DFHFC6038.

**Module:** DFHFCVS, DFHFCRS

---

**XMEOUT parameters/Message inserts**

1. *DATE*
2. *TIME*
Explanation

A program has issued a request using a 32-bit RBA against an extended addressing ESDS data set, which would normally be accessed by a 64-bit XRBA. The request failed. For extended addressing ESDS data sets, some types of file control commands are only supported with the XRBA keyword and are not supported with the RBA keyword.

The name of the file used is filename. The data set is dsname.

Use of 32-bit RBAs with an extended addressing ESDS is allowed to enable existing programs to be used with extended addressing data sets. There are some limitations to what can be done by such programs because the RBA supplied is actually the low 32-bits of the 64-bit XRBA and is potentially ambiguous.

The normal way of using ESDS data sets is to write records sequentially and then subsequently read the records back by a browse. This method of using an extended addressing ESDS with RBAs is supported and it should be possible to use most existing programs with an extended addressing ESDS. Programs that write records to an ESDS will work. Programs that browse the data set either from the beginning or the end will work.

However the following are not supported because they all rely on the value of the RBA.

- An attempt to read a record by RBA by a READ or READ UPDATE command.
- An attempt to start a browse (by STARTBR) at any position other than the beginning of the data set (RBA 0) or the end of the data set (RBA -1).
- An attempt to reposition a browse (by RESETBR) at any position other than the beginning of the data set (RBA 0) or the end of the data set (RBA -1).
- An attempt to change the position of the browse by changing the value of the RBA between successive READNEXT requests.
- An attempt to change the position of the browse by changing the value of the RBA between successive READPREV requests.
- An attempt to change the direction of a browse by following a READNEXT by a READPREV or by following a READPREV by a READNEXT.

In order to avoid flooding the system with messages, you will only receive one instance of message DFHFC6038 for each file against which an unsupported request is issued. It is possible that other programs are issuing unsupported RBA requests against the same file.

System action

CICS continues processing.

User response

If you do not need to store more than 4 gigabytes of data in the data set, you may be able to leave the program unchanged and convert the data set to one that does not use extended addressing. Otherwise you must change the program to use XRBA rather than RBA. When changing the program, you must change all 4-byte areas that hold RBAs into 8-byte areas to hold XRBAs, as well as changing the RBA keyword to XRBA.

Module:
DFHFCVS, DFHFCRS

XMEOUT parameters/Message inserts

1. DATE
2. TIME
3. APPLID
4. PROGRAM_NAME
5. filename
6. dsname

Explanation

CICS has been driven by VSAM RLS to start processing for a data set quiesce, a BWO or non-BWO backup.
System action
CICS processing continues. The data set operation continues throughout the sysplex, until all CICS systems involved have successfully notified VSAM RLS of the completion of their processing.

User response
None.

Module:

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. reason
5. dsname

Destination
CSFL

DFHFC6040 I DATE TIME APPLID Timeout period has expired processing a generic delete against an RLS file. The task was waiting on a get for update request for a locked record that was beyond the range of the generic delete. Once the get for update request has timed out, the delete command completes and the task resumes normal execution. File name filename. Data set name dsname.

Explanation
A program has issued a generic delete request against an RLS file. The request involves a series of get update and erase requests to VSAM to remove the records in the range of the delete. If a record with a key outside the range of the delete is encountered, the request completes. If a record that is locked to another request is encountered, the generic delete waits for the other request to complete or will eventually timeout. If the get update request times out, CICS treats this as a successful completion of the generic delete request and the task resumes normal execution.

The name of the file used is filename. The data set is dsname.

System action
This is an informational message that identifies when a generic delete request against an RLS file is delayed for this particular reason. CICS continues processing.

User response
Investigate the other users of the file if appropriate.

Module:

DFHFCRS

XMEOUT parameters/Message inserts
1. DATE
2. TIME
3. APPLID
4. filename
5. dsname

Destination
CSFL

DFHFC6041 W date time applid Attempt to unquiesce data set dsname failed due to a conflict with another task.

Explanation
An attempt by CICS to unquiesce data set dsname has failed because of a conflict with another task attempting to use the same data set.

System action
CICS processing continues. The quiesce state of the data set is unpredictable.

User response
Try the unquiesce request again by issuing an EXEC CICS SET DSNAME or the CEMT equivalent command specifying the UNQUIESCE option to set the quiesce state of the data set in the ICF catalog to unquiesced.

If the problem persists, a more severe error has occurred. Change the dump table to take a system dump on this message and contact IBM for assistance. See Working with IBM to solve your problem for guidance on how to proceed.

Module:

DFHFCQU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. dsname

Destination
CSFL and Console

DFHFC6042 W  date time applid Attempt to discard file filename failed.

Explanation
An attempt by CICS to discard file filename failed. The file was defined via a bundle and so following recovery processing the file is discarded so that it can be re-installed via the bundle.

User response
CICS is failed to discard the file which is for recovery only. Check the CICS logs and trace to find out the reason that this file can't be discarded. User can discard the file manually after CICS starts up

Module:
DFHFCBU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. filename

Destination
CSFL and Console

DFHFC6043 W  date time applid Attempt to disable bundle bundlename failed because file filename has retained locks or is in use.

Explanation
An attempt by CICS to disable bundle bundlename failed. The file defined by a bundle must not hold retained locks or be in use when it is disabled.

User response
CICS failed to disable the bundle. The bundle is in disabling status. The file is in disabled status. It may be caused by retained locks or the file is in use. If this message is followed by message DFHFC6044, this message can be ignored. Otherwise the user must resolve retained locks or wait for the task complete, then try the disable bundle again.

Module:
DFHFCFS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. bundlename
5. filename

Destination
CSFL and Console

DFHFC6044 I  date time applid File filename in bundle bundlename has moved to disabled status.

Explanation
The user has resolved all the retained locks and all the tasks which use this file have completed. As the user requested to disable this file, the related bundlepart for the CICS bundle moves to disabled status.

User response
None. However, you might want to check the status of the related bundlepart in the CICS bundle to ensure it is in disabled status.

Module:
DFHFCFS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. filename
5. bundlename
An invalid interval value of `turfreq` has been specified for DFHFCLJ1 on the INITPARM parameter, defaulted to 30 minutes.

CICS has determined that an invalid value for DFHFCLJ1 has been specified on the INITPARM parameter. The interval has defaulted to 30 minutes.

CICS has detected that a VSAM file defined with the LOGREPLICATE attribute has been opened.

During OPEN of coupling facility data table `dddd`, poolname `pppp`, for file `filename`, differs from the current maximum records parameter `ssss` for the table.

During OPEN of coupling facility data table `dddd` for file `filename` it has been found that the maximum records parameter `rrrr` specified in the file definition is different from that already specified for the table on a previous OPEN or server SET command.

Ensure that the maximum records parameter that is in use is as expected. If not, delete the table and reopen it after correcting the maximum records parameter in the file definition. Alternatively, reopen the table via another file definition that already has the correct maximum records parameter or use the coupling facility data table server SET command to change the maximum records parameter for the table.
**Destination**

Console

DFHFC7002  
`applid OPEN of coupling facility data table `d`dddd for file `filename`, pool `poolname`, has failed because access is not allowed.`

**Explaination**

The OPEN of coupling facility data table `d`dddd for file `filename`, pool `poolname` has failed because access is not allowed. The security check for the table has failed.

A RACF message containing a return code indicating the reason for failure will have been issued prior to this message.

**System action**

The table cannot be opened.

**User response**

Set the correct table access using RACF.

**Module:** DFHFCDO

**XMEOUT parameters/Message inserts**

1. `applid`
2. `d`dddd
3. `filename`
4. `poolname`

---

**Destination**

Console

DFHFC7003  
`applid OPEN of coupling facility data table `d`ddd for file `f`ilename, pool `poolname`, has failed because the table is not currently available for access.`

**Explanation**

The OPEN of coupling facility data table `d`ddd for file `filename`, pool `poolname`, has failed because the table is currently not available for access. The table has been set unavailable by an earlier server command. This prevents the opening of new files against this table.

**System action**

The table cannot be opened.

**User response**

Investigate why the table has not already been loaded or started loading. Change the file definition to make this OPEN do the load if that is appropriate.

**Module:** DFHFCDO

**XMEOUT parameters/Message inserts**

1. `applid`
Destination
Console

**DFHFC7005** applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because of a shared access conflict.

**Explanation**
The OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because of a shared access conflict. CICS either requests an EXCLUSIVE open (for the purposes of loading) or a SHARED open (for all other cases).

For a shared open request, this error means that the open mode which CICS has specified for this data table conflicts with the shared access mode which has been specified by an existing exclusive open for the data table. For an exclusive open request, this means that the shared access mode which CICS has specified on the open conflicts with one or more existing shared opens for the data table. CICS should not normally specify conflicting open or shared access modes.

**System action**
The file cannot be opened.

**User response**
Investigate the access modes of other opens against the data table dddd in pool poolname, for example using a server query, to determine whether there is an error.

**Module:**
DFHFCDO

**XMEOUT parameters/Message inserts**
1. applid
2. dddd
3. filename
4. poolname

Destination
Console

**DFHFC7007** applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because one or more attributes on the file definition are incompatible with those that were set for the table when it was created.

**Explanation**
An OPEN request naming an existing table specifies one or more attributes for the table which are not compatible with those for the existing table. The coupling facility data table server has rejected the open.

**System action**
The table cannot be opened.

**User response**
Investigate any other opens against the data table dddd in pool poolname, for example using a server query, to determine whether it is expected that access is denied.

**Module:**
DFHFCDO

**XMEOUT parameters/Message inserts**
1. applid
2. dddd
3. filename
4. poolname

Destination
Console

**DFHFC7006** applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because of an exclusive access conflict.
The attributes that may be incorrect are:

- record length
- key length
- initial load option
- update model
- recovery status

This can also occur if the coupling facility data table server that is attempting to open the table is at a lower release level than the server which created the table, as the newer server may have set internal attributes when it created the table which are not supported by the older server.

**System action**

CICS fails the open.

**User response**

Use the coupling facility data table server DISPLAY command to view the attributes for the table and then determine whether:

- the file definition for the table just opened should have its attributes changed to match the server values
- the already created table is incorrect because the file definition whose open caused the creation of the table has incorrect attributes. In this case the table should be deleted and recreated either by correcting the file definition or via a file definition which already has the correct values.

Note that this problem could occur if there has been unintentional use of the same table name in different file definitions.

When the problem has been corrected, retry the open.

**Module:**

DFHFCDO

**XMEOUT parameters/Message inserts**

1. applid
2. dddd
3. filename
4. poolname

**Destination**

Console

DFHFC7010  applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because recovery is not enabled.

**Explanation**

An attempt was made to open a recoverable table dddd for read/write access, but the client region has not yet issued a restart request to enable recovery support for this pool connection.

**System action**

The open fails.

**User response**

Investigate why there has been no restart request by checking for CICS error messages.

**Module:**

DFHFCDO

**XMEOUT parameters/Message inserts**

1. applid
2. dddd
3. filename
4. poolname

**Destination**

Console

DFHFC7012  applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because there is no space in the pool.

**Explanation**

The coupling facility list structure for the table pool has no more space available.

**System action**

The open fails.

**User response**

Investigate whether space can be freed in the coupling facility list structure by deleting tables, or records in tables, that are no longer required.

Alternatively, use the DISPLAY POOLSTATS command to find if the structure is currently at its maximum size; and if not, increase the size using the SETXCF ALTER command.

**Module:**


DFHFCDO

XMEOUT parameters/Message inserts
1. applid
2. dddd
3. filename
4. poolname

Destination
Console

DFHFC7013 applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because the maximum number of tables has been reached.

Explanation
A new table cannot be created because the maximum number of tables specified when the first server was started for the structure has been reached.

System action
The open fails.

User response
Investigate whether the number can be increased or whether there are any tables no longer required that could be deleted.

Module:
DFHFCDO

DFHFC7014 applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because there are too many users.

Explanation
The number of concurrent opens for table dddd has reached the maximum supported limit which is currently 1024. This means that there are already 1024 files open which all reference the same coupling facility data table in the same coupling facility data table pool.

System action
The open fails.

User response
Investigate reducing the number of concurrent users; that is, the number of files open against this coupling facility data table.

Module:
DFHFCDO

DFHFC7015 applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because the table has been destroyed.

Explanation
Table dddd in pool poolname is no longer valid. The most likely cause is that a delete request overlapped with the current request.

System action
The open fails.

User response
Investigate whether the table was deleted. This is not an error if the table is no longer required. If the table is still required, it should be recreated by opening it again.

Module:
DFHFCDO
**XMEOUT parameters/Message inserts**

1. **applid**
2. **dddd**
3. **filename**
4. **poolname**

**Destination**

Console

DFHFC7018  
**applid** OPEN of coupling facility data table **dddd** for file **filename**, pool **poolname**, has failed because the table requires loading.

**Explanation**

The OPEN of file **filename** has failed because it requires the associated coupling facility data table **dddd**, which resides in coupling facility data table pool **poolname**, to have been pre-loaded, but the table has not yet been loaded. Automatic loading of the data table could not be initiated because there is no source data set specified for this file, either in the file definition or in the CICS startup JCL.

**System action**

The file cannot be opened.

**User response**

There are a number of possible operational errors which might have resulted in this failure:

1. The application does not require the coupling facility data table **dddd** to be pre-loaded. The 'load required' parameter should be removed from the file definition for file **filename**.
2. The application does require the coupling facility data table **dddd** to be pre-loaded, but it should already have been loaded before file **filename** was opened.
   
   If this is the case, then there should be at least one file definition within the sysplex that names data table **dddd** in pool **poolname** and which specifies a source data set, or for which the source data set is supplied in the CICS startup JCL. You should issue an open for one of the files which specifies the source data set, after which an open of this file should succeed.
   
   You may also want to put operational procedures in place which will ensure that in future this file is only opened after the data table has been loaded. Use of the data tables load complete global user exit point, XDTLC, might be one way of achieving this.

3. The application does require the coupling facility data table **dddd** to be pre-loaded, and it is intended that the load should be automatically initiated by opening file **filename** (unless the table has already been loaded).

   A source data set name should have been specified, either in the file definition for file **filename** or in the CICS startup JCL as a DD card for file **filename**, depending on whether dynamic allocation or preallocation is required respectively.

**Module:**

DFHFCDO

**XMEOUT parameters/Message inserts**

1. **applid**
2. **dddd**
3. **filename**
4. **poolname**

**Destination**

Console

DFHFC7019  
**applid** OPEN of coupling facility data table **dddd** for file **filename**, pool **poolname**, has failed because the table requires loading but the supplied data set is not KSDS.

**Explanation**

The OPEN of file **filename** has failed because it requires the associated coupling facility data table **dddd**, which resides in coupling facility data table pool **poolname**, to have been pre-loaded, but the table has not yet been loaded. Automatic loading of the data table could not be initiated because the source data set specified for this file, either in the file definition or in the CICS startup JCL, is not a KSDS. Coupling facility data tables can only be loaded from VSAM KSDS data sets.

**System action**

The file cannot be opened.

**User response**

Investigate whether the reason for this error is that the file should not have been defined as requiring loading, or that the data set name specified is incorrect, or that no data set name should have been specified (because the data table should be pre-loaded via some other file definition before this file is opened). Correct the file definition, re-install and retry the open.
Module:
DFHFCDO

XMEOUT parameters/Message inserts
1. applid
2. dddd
3. filename
4. poolname

Destination
Console

DFHFC7032  applid CLOSE of coupling facility data table dddd for file filename, pool poolname, has failed because the table has been destroyed.

Explanation
The table is no longer valid in the pool. The most likely reason is that a delete request overlapped with the current request.

System action
The close fails.

User response
Investigate whether the table was deleted. This is not an error if the table is no longer required. If the table is still required, it should be recreated by opening it again.

Module:
DFHFCDO

XMEOUT parameters/Message inserts
1. applid
2. dddd
3. filename
4. poolname

Destination
Console

DFHFC7051  applid A request to set shared access for coupling facility data table dddd, file filename, pool poolname, at the end of a successful table load, has failed because access is not allowed.

Explanation
At the end of a coupling facility data table load, the source data set is closed and CICS File Control requests the server to change the table access from the exclusive access that was required for loading, to a shared access. The server has indicated that the table is not available for access. The security check for the table has failed. A RACF message containing a return code indicating the reason for failure will have been issued prior to this message.
**System action**

Although the table successfully opened and loaded, the load is not considered complete because the request to the server to set the access to ‘shared’ has not occurred. The table is closed again ready for the next open attempt which will reattempt the load. The close will still get the security error, but the CICS side of close will complete.

**User response**

Investigate why the table is not available for access. Set the required table access, if possible, using RACF.

**Module:**

DFHFCDO

**XMEOUT parameters/Message inserts**

1. applid
2. dddd
3. filename
4. poolname

**Destination**

Console

| DFHFC7072 | applid The request to set shared access for coupling facility data table dddd, file filename, pool poolname, at the end of a successful table load, has failed because the table cannot be found. |

**Explanation**

At the end of a coupling facility data table load the source data set is closed, and CICS File Control requests the server to change the table access from the exclusive access that was required for loading to shared access. The server has returned that the table cannot be found.

**System action**

Although the table was successfully opened and loaded, the load is not considered complete because the request to the server to set the access to shared has not occurred. The table is closed again ready for the next open attempt which will retry the load. The close will still get the error, but the CICS side of close will complete.

**User response**

Investigate why the table cannot be found. If it is still required open it again so that it will be recreated and reloaded.

**Module:**

DFHFCDO

**XMEOUT parameters/Message inserts**

1. applid
2. dddd
3. filename
4. poolname

**Destination**

Console

| DFHFC7073 | applid The request to set shared access for coupling facility data table dddd, file filename, pool poolname, at the end of a successful table load, has failed because of a shared access conflict. |

**Explanation**

At the end of a coupling facility data table load the source data set is closed, and CICS File Control requests the server to change the table access from the exclusive access that was required for loading to shared access. The server has returned that it cannot process the request because of a shared access conflict.

**System action**

Although the table successfully opened and loaded, the load is not considered complete because the request to the server to set the access to shared has not occurred. The table is closed again ready for the next open attempt which will retry the load. The close will still get the error, but the CICS side of close will complete.

**User response**

Investigate the access mode of other table, and what other files are open against it, to determine if there is an error. The coupling facility data table server supports commands, such as DISPLAY TABLE, which will provide you with this information.

**Module:**

DFHFCDO
XMEOUT parameters/Message inserts

1. applid
2. dddd
3. filename
4. poolname

Destination
Console

DFHFC7079 applid The request to set shared access for coupling facility data table dddd, file filename, pool poolname, at the end of a successful table load, has failed because the table has been destroyed.

Explanation
At the end of a coupling facility data table load the source data set is closed, and CICS File Control requests the server to change the table access from the exclusive access that was required for loading to shared access. The server has returned that the request has failed because the table has been destroyed.

System action
All requests to use the table will return the same error.

User response
Investigate why the table has been destroyed. If it is still required open it again so that it will be recreated and reloaded.

Module: DFHFCDO

DFHFC7081 applid OPEN of coupling facility data table ddd for file filename, pool poolname, has failed because the key length or record length parameter for the source data set is inconsistent with the value already set for the table.

Explanation
The OPEN of coupling facility data table ddd has failed because before the call to the server to perform the actual open, CICS has found that the record length and/or key length specified by the user on the file definition does not match that returned by VSAM when the associated source data set was opened.

System action
The table cannot be opened.

User response
Check whether the file definition is in error or whether the wrong data set has been specified. It is not necessary to specify the parameters on the file definition if there is a source data set. Clear the parameters or make them the same as the source.

Module: DFHFCDO

DFHFC7082 applid OPEN of coupling facility data table ddd for file filename, pool poolname, has failed because the key length or record length parameter for the source data set is inconsistent with the equivalent for the source data set.

Explanation
The OPEN of coupling facility data table ddd has failed because before the call to the server to perform the actual open, CICS has found that the record length and/or key length specified by the user on the file definition does not match that returned by VSAM when the associated source data set was opened.

System action
The table cannot be opened.
User response

Check whether the wrong data set has been specified in the file definition. If the table is opened and loaded by another user, it is not necessary for this user to specify a source data set in the definition.

Module:
DFHFCDO

XMEOUT parameters/Message inserts

1. applid
2. dddd
3. filename
4. poolname

Destination

Console

DFHFC7083 applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because the key length or record length parameter specified on the file definition is inconsistent with that already set for the table.

Explanation

The OPEN of coupling facility data table dddd has failed because the values for record length and/or key length returned for the table on the open do not match those specified in the file definition for the table.

System action

The table is closed again.

User response

Check whether the wrong data set has been specified in the file definition. If the table is opened and loaded by another user, it is not necessary for this user to specify record length and key length on the file definition. Attention is drawn to the mismatch rather than ignoring it in case there is an error.

Module:
DFHFCDO

XMEOUT parameters/Message inserts

1. applid
2. dddd
3. filename
4. poolname

Destination

Console

DFHFC7084 applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because the table cannot be found.

Explanation

When a coupling facility data table server fails, all the files which were accessing tables in that pool are marked as requiring a re-open after connection to a new server instance. This is required so that a valid table token is obtained for the new instance. The re-open for coupling facility data table dddd for file filename, pool poolname, has failed because the table has gone away (possibly due to a failure of the coupling facility) since it was last opened for this file.

System action

The table cannot be opened. CICS closes and enables the file so that a full open can be tried later. The full open will recreate the table (unless the file definition specifies that the table must already have been recreated, in which case another file definition which specifies it is capable of recreating and loading the table must be opened first).

User response

Retry when the table is available.

Module:
DFHFCDO

XMEOUT parameters/Message inserts

1. applid
2. dddd
3. filename
4. poolname

Destination

Console

DFHFC7085 applid On a request to process {OPEN | CLOSE | EXTRACT STATISTICS} for coupling facility data table dddd for file filename, it has been found that the server for coupling facility data table pool poolname, is down. The server should be restarted.
CICS has issued a request to a file which is defined to use a coupling facility data table which resides in the pool poolname. CICS did not currently have a connection established to the pool, so an attempt to connect to the pool has to be made. Before the connect, a query is issued to check whether the server for the pool is available. The query has failed because the server is currently down.

A coupling facility data table server is a separate address space which handles all requests made to coupling facility data tables that reside in the pool which it serves.

If the request is an open, CICS fails the request to the coupling facility data table.

If the request is a close, CICS can complete close processing as normal.

If the request is to extract statistics, issued while gathering file control statistics, the request to obtain the statistics will fail. If the request is to extract statistics, issued as part of INQUIRE FILE processing in order to return the current MAXNUMRECS limit, then the INQUIRE FILE request can complete as normal, but the MAXNUMRECS value returned may differ from the current actual value.

New requests to coupling facility data tables which reside in this pool will check whether the server is available, and will attempt another connect if it is.

Determine the reason for the failure. Diagnostic messages issued by the coupling facility data table server address space should assist you in doing this. The most likely cause of this error is a problem with the coupling facility. The coupling facility data table server does not automatically restart itself, so after you have corrected the cause of the error, you should resubmit the job which starts the server.

Check whether the wrong data set has been specified for this file (either in the file definition or in the CICS start-up JCL), and whether this data table really requires pre-loading from a source data set. If the correct data set was specified, then this file may not be suitable for use as a coupling facility data table. If this was because the key length was beyond the range supported for coupling facility data tables, then consider redefining the file as a user-maintained data table or as an RLS file.

If the data table does not need to be pre-loaded, then specify LOAD(NO) on the file definition, and a key length and record size which are in the supported ranges.

1. applid
2. dddd
3. filename
4. poolname

Destination
Console

DFHFC7086 applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because the {keylength / recordsize} of the source data set is greater than the supported maximum.

The OPEN of file filename, associated with coupling facility data table dddd in coupling facility data table pool poolname, has failed because the key length and/or record size of the source data set specified for the file is greater than the value supported. For a coupling facility data table, the key length must be less than or equal to 16 bytes, and the record size must be less than or equal to 32767 bytes.

The message indicates whether it was the key length or the record size which was found to be too large.

The file is left closed.

1. applid
2. dddd

Module: DFHFCDO

XMEOUT parameters/Message inserts
1. applid
2. Value chosen from the following options:
   1=OPEN,
   2=CLOSE,
   3=EXTRACT STATISTICS

Module: DFHFCDO

XMEOUT parameters/Message inserts
1. applid
2. dddd
3. filename
4. poolname
5. Value chosen from the following options:
   1=keylength,
   2=recordsize

**Destination**

Console

**DFHFC7090** date time applid CICS coupling facility data table load has started for data table dddd, file filename, pool poolname.

**Explanation**

CICS file control has detected that an open request has been issued for coupling facility data table data table dddd, and a task has been attached to load the data table.

**System action**

CICS processing continues.

**User response**

None.

**Module:**

DFHFCDL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. dddd
5. filename
6. pool

**Destination**

CSFL

**DFHFC7091** date time applid CICS coupling facility data table load has successfully processed all records in the source data set for table dddd, file filename, pool poolname.

**Explanation**

The task which was attached to load coupling facility data table dddd has successfully processed all of the records in the associated source data set. The load, however, is not complete until user exit XDTLC has been called, and the table has been marked as loaded, with its access changed from EXCLUSIVE to SHARED.

**System action**

The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORC set to indicate a successful load. The coupling facility data table server is called to mark the table as loaded and to set the access to shared. Another message (DFHFC7095) will be issued indicating that these have completed and that the load is complete. CICS processing continues.

**User response**

None.

**Module:**

DFHFCDL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. dddd
5. filename
6. pool

**Destination**

CSFL

**DFHFC7092** date time applid CICS data table load has terminated abnormally for coupling facility data table dddd, file filename, pool poolname, because the table has been closed.

**Explanation**

The CICS task that is loading coupling facility data table dddd has found that CICS file control has requested that the load be abandoned because the file has been closed.

**System action**

The load transaction terminates. CICS processing continues. Any records already loaded will remain in
the table. The next open will start the load transaction again which will continue the load.

**User response**

Investigate why the file has been closed.

**Module:**

DFHFCDL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. dddd
5. filename
6. poolname

**Destination**

CSFL and Console

DFHFC7093  

*date time applid CICS data table load has terminated abnormally for coupling facility data table dddd, file filename, pool poolname, reason code = X'xx'.*

**Explanation**

The CICS task that is loading coupling facility data table *ddd* has received a reason code *X'xx'* where *X'xx'* has one of the following values:

**X'02'**

ILLOGIC - A VSAM error which does not fall into one of the other categories.

**X'0C'**

NOTOPEN - The file is CLOSED and UNENABLED, or still open and in use, but a CLOSE request has been received.

**X'0D'**

DISABLED - The file is DISABLED.

**X'0F'**

ENDFILE - The file is CLOSED and UNENABLED, or still open and in use, but a CLOSE request has been received.

**X'80'**

IOERR - I/O error.

**X'84'**

TABLE_FULL - Maximum records exceeded.

**X'85'**

RLS_DISABLED - RLS access currently not available.

**X'86'**

RLS_FAILURE - The RLS server has failed.

**X'87'**

PREVIOUS_RLS_FAILURE - The RLS server has been recycled in this unit of work.

**X'88'**

CACHE_FAILURE - Cache connectivity failure.

**X'89'**

CFDT_POOL_FULL - No more space available in the coupling facility structure for the table pool.

**X'8A'**

DATASET_BEING_COPIED - DSS is performing a sharp copy

**System action**

The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORC set to indicate that loading completed abnormally. The user exit may ask for the file to be closed. No more records are loaded into the coupling facility data table.

If the user exit did not request the file to be closed (or if no user exit program was enabled at the XDTLC exit point), then API requests to access records within the range of keys which has already been loaded into the data table will succeed, but requests to access any record beyond the loaded range will receive the "LOADING" condition.

If the file has been closed, then API requests will receive a "NOTOPEN" condition.

CICS processing continues.

**User response**

Investigate the reason for the return code from CICS file control. For further information about the reason code, see the description of exception conditions for the STARTBR, READNEXT and WRITE commands in the CICS Application development reference.

You may be able to correct the cause of the failure, for example by explicitly enabling the file if the reason is DISABLED, or re-cycling the RLS server if it has failed. If the error is TABLE_FULL, meaning that the number of records to be loaded into the table exceeds the MAXNUMRECS parameter, then you can increase this parameter using the coupling facility data tables server command SET.
TABLE=tablename, MAXRECS=n. (Note that although altering the MAXNUMRECS parameter on the file definition within CICS, using SET FILE for example, will not have any effect on the current setting for the data table, you should consider resetting it to the new value in order to avoid getting a warning message about the mismatch.) If the error is CFDT_POOL_FULL, then you can increase the size of the coupling facility data table pool that this data table resides in.

If it is possible to correct the problem which caused the load to fail, then you can complete the load of the coupling facility data table by closing the file which attempted the load (if it has not already been closed) and re-opening it, or any other file which is capable of loading the table; that is, which has access to the source data set. This will cause the load to be restarted from the point at which it failed.

**Module:**
DFHFCDL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. dddd
5. filename
6. poolname
7. X’xx’

**Destination**
CSFL and Console

**DFHFC7094**

| date time applid CICS data table load has terminated abnormally for coupling facility data table dddd, file filename, pool poolname, reason code = X’xx’. |

**Explanation**
The request to close the source data set at the end of load of coupling facility data table dddd has failed. The most likely cause of the failure is an error on the SET call to the coupling facility data table server to mark the table as loaded and to set the table access as shared, either because the server was down at the time of the SET or because of an error returned by file control during processing.

**System action**
The table and source are closed, leaving the table in a state such that a subsequent open may be able to complete the load.

CICS processing continues.

**User response**
Determine the cause of the failure using the diagnostic information provided by file control.

**Module:**
DFHFCDL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. dddd
5. filename
6. poolname
7. X’xx’

**Destination**
CSFL and Console

**DFHFC7095**

date time applid CICS coupling facility data table load has completed successfully for data table dddd, file filename, pool pool.

**Explanation**
The task that was attached to load coupling facility data table dddd has successfully completed loading.

**System action**
The user exit XDTLC has been invoked and has accepted the load. The table has been marked as loaded and the table access has been set to SHARED. CICS processing continues.

**User response**
None.

**Module:**
DFHFCDL

**XMEOUT parameters/Message inserts**

1. date
2. time
CICS has successfully performed the first connection to the Coupling Facility Data Table Server for pool **pool**.

**Explanation**
The first connection to the coupling facility data table server has completed successfully.

**System action**
CICS processing continues.

**User response**
None.

**Module:**
DFHFCDO DFHFCDR

**XMEOUT parameters/Message inserts**
1. **date**
2. **time**
3. **applid**
4. **pool**

CICS has successfully reconnected to the Coupling Facility Data Table Server for pool **pool**.

**Explanation**
A reconnection to the coupling facility data table server has completed successfully.

**System action**
CICS processing continues.

**User response**
The reason for the reconnection should be investigated by examining the joblog for the coupling facility data table server. Messages will have been output by the server detailing what events have occurred and whether there is a risk that any data has been lost.

**Module:**
DFHFCDO DFHFCDR

**XMEOUT parameters/Message inserts**
1. **date**
2. **time**
3. **applid**
4. **pool**

CICS data table load has terminated abnormally for coupling facility data table name, file **filename**, pool **poolname**, a call to FCFR to BROWSE the source data set has failed for reason code = **n**.

**Explanation**
The CICS task which is loading coupling facility data table **dddd** has failed while calling file control to browse the source data set. The value of the reason code **n** indicates the type of failure as follows:

1. Response from FCFR was INVALID.
2. Response from FCFR was DISASTER.
3. Response from FCFR was PURGED.
4. FCFR failed for some unexpected reason.

**System action**
The user exit XDTLC is invoked, if enabled, with the parameter UEPDORC set to indicate that loading completed abnormally. The user exit may ask for the file to be closed. No more records are loaded into the coupling facility data table, and CICS terminates the loading transaction with abend code ACFA.

If the user exit did not request that the file be closed (or if no user exit program was enabled at the XDTLC exit point), then API requests to access records within the range of keys which has already been loaded into the data table will succeed, but requests to access
any record beyond the loaded range will receive the "LOADING" condition.

If the file has been closed, then API requests will receive a "NOTOPEN" condition.

CICS processing continues.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Determine the cause of the failure of the domain call using the diagnostic information provided by file control.

If it is possible to correct the problem which caused the browse to fail, then you can complete the load of the coupling facility data table by closing the file which attempted the load (if it has not already been closed) and re-opening it, or any other file which is capable of loading the table; that is, which has access to the source data set. This will cause the load to be restarted from the point at which it failed.

**Module:**
DFHFCDL

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. name
5. filename
6. poolname
7. n

**Destination**
CSFL and Console

**DFHFC7101**

\[date \ time \ applid \ CICS \ data \ table \ ddd \ load \ has \ failed \ to \ close \ coupling \ facility \ data \ table \ ddd, \ file \ filename, \ pool \ poolname, \ a \ call \ to \ FCFS \ has \ failed \ for \ reason \ code \ = \ n.\]

**Explanation**

The CICS task that is loading coupling facility data table \( ddd \) has failed while trying to close the file at the request of an exit program invoked at exit point XDTLC. The value of reason code \( n \) indicates the type of failure as follows:

1. Response from FCFS was INVALID.
2. Response from FCFS was DISASTER.
3. Response from FCFS was PURGED.
4. FCFS failed for some unexpected reason.

**System action**

CICS terminates the loading transaction with abend code ACFA.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

It is unlikely that the user exit invoked at the XDTLC exit point would request that the file should be closed unless a previous problem had occurred with the load. Determine the cause of any such previous problem by checking for earlier messages which may have been issued referring to data table \( ddd \). Diagnostic information provided by file control may be used to investigate the failure of the close file call.

CICS processing continues.

Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:**
DFHFCDL

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. ddd
5. filename
6. poolname
7. n

**Destination**
CSFL and Console

**DFHFC7103**

\[date \ time \ applid \ CICS \ data \ table \ ddd \ load \ has \ terminated \ abnormally \ for \ coupling \ facility \ data \ table \ ddd, \ file \ filename, \ pool \ poolname.\]

**Explanation**

The special CICS transaction that was loading coupling facility data table \( ddd \) has detected an abnormal termination.
System action

Depending on the cause of this abnormal termination, CICS may produce either a system dump or a transaction dump.

The user exit XDTLC is invoked, if enabled, with the parameter UEPDTRC set to indicate that loading completed abnormally. The user exit may ask for the file to be closed. No more records are loaded into the coupling facility data table, and CICS terminates the loading transaction with abend code ACFA.

If the user exit did not request that the file be closed (or if no user exit program was enabled at the XDTLC exit point), then API requests to access records within the range of keys which has already been loaded into the data table will succeed, but requests to access any record beyond the loaded range will receive the "LOADING" condition.

If the file has been closed, then API requests will receive a "NOTOPEN" condition.

CICS processing continues.

User response

Look at the system log for related CICS messages to determine the original abend detected by the loading transaction. Refer to the description of abend code ACFA for further information about the cause of the original termination.

For more information on how to determine system problems, refer to the Troubleshooting and support.

If it is possible to correct the problem which caused the load to abort, then you can complete the load of the coupling facility data table by closing the file which attempted the load (if it has not already been closed) and re-opening it, or any other file which is capable of loading the table; that is, which has access to the source data set. This will cause the load to be restarted from the point at which it failed.

Module:
DFHFCDL

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. dddd
5. filename
6. poolname

date time applid CICS data table load has terminated abnormally for coupling facility data table dddd, file filename, pool poolname, a call to FCFR to WRITE a record has failed for reason code = n.

Explanation

The CICS task that is loading coupling facility data table dddd has failed while calling file control to write to the data table. The value of the reason code n indicates the type of failure as follows:

1. Response from FCFR was INVALID.
2. Response from FCFR was DISASTER.
3. Response from FCFR was PURGED.
4. FCFR failed for some unexpected reason.

System action

The user exit XDTLC is invoked, if enabled, with the parameter UEPDTRC set to indicate that loading completed abnormally. The user exit may ask for the file to be closed. No more records are loaded into the coupling facility data table, and CICS terminates the loading transaction with abend code ACFA.

If the user exit did not request that the file be closed (or if no user exit program was enabled at the XDTLC exit point), then API requests to access records within the range of keys which has already been loaded into the data table will succeed, but requests to access any record beyond the loaded range will receive the "LOADING" condition.

If the file has been closed, then API requests will receive a "NOTOPEN" condition.

CICS processing continues.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Determine the cause of the failure of the domain call using the diagnostic information provided by file control.

If it is possible to correct the problem which caused the write to fail, then you can complete the load of the coupling facility data table by closing the file which attempted the load (if it has not already been closed) and re-opening it, or any other file which is capable of loading the table; that is, which has access.
to the source data set. This will cause the load to be restarted from the point at which it failed.

**Module:**
DFHFCDL

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. ddd
d5. filename
6. poolname
7. n

**Destination**
CSFL and Console

DFHFC7100  **applid** An attempt to connect to coupling facility data table pool poolname, issued by module modulename, has failed.

**Explanation**
CICS has issued a request to a file which is defined to use a coupling facility data table which resides in the pool poolname. CICS did not currently have a connection established to the pool, so an attempt to connect to the pool has been made. This attempt has failed. The connect attempt was issued from module modulename.

A coupling facility data table server is a separate address space that handles all requests made to coupling facility data tables which reside in the pool which it serves. CICS must have a connection to the server before it can open and access coupling facility data tables in the pool.

**System action**
CICS fails the request to the coupling facility data table.

New requests to coupling facility data tables which reside in this pool will check whether the server is available and will attempt another connect if it is.

**User response**
Determine the reason for the failure to connect. Diagnostic messages issued by the coupling facility data table server address space should assist you in doing this. The most likely cause of this error is a problem with the coupling facility. The coupling facility data table server does not automatically restart itself, so after you have corrected the cause of the error, you should resubmit the job which starts the server.

**Module:**
DFHFCDR, DFHFCDO, DFHFCDU

**XMEOUT parameters/Message inserts**
1. applid
2. poolname
3. modulename

**Destination**
Console

DFHFC7111  **applid** An attempt to disconnect from the coupling facility data table server for pool poolname for connection token X'connecttoken', issued by module modulename, has failed.

**Explanation**
CICS has detected that an instance of the coupling facility data table server for pool poolname has failed. CICS has therefore attempted to disconnect from this pool server, but this attempt has failed. The disconnect has been issued by module modulename, and connecttoken is the token which was associated with the connection to this pool server.

A coupling facility data table server is a separate address space that handles all requests made to coupling facility data tables which reside in the pool which it serves.

**System action**
CICS continues. As soon as a new instance of the pool server is available (which it might already be) then CICS can re-establish a connection to the server and continue to process coupling facility data table requests.

In many cases, CICS will later be able to disconnect from the server automatically. If not, the only effect of this failure is that some storage allocated by the server to the connection will not be freed until CICS terminates, at which time a disconnect message will be issued by the pool server for each instance from which CICS failed to disconnect.

**User response**
Determine the reason for the failure to disconnect. Diagnostic messages issued by the coupling facility...
data table server address space should assist you in doing this.

**Module:**
DFHFCDR, DFHFCDO, DFHFCDU

**XMEOUT parameters/Message inserts**

1. `applid`
2. `poolname`
3. `X'connecttoken'`
4. `modulename`,

**Destination**
Console

**DFHFC7112**

`applid` Resynchronization of coupling facility data table pool `poolname` issued from module `modulename` has failed.

**Explanation**
CICS has issued a request to a file which is defined to use a coupling facility data table which resides in the pool `poolname`. CICS did not currently have a connection established to the server for this pool, so an attempt to connect to and resynchronize the pool server has been made, but the resynchronization has failed. The attempt to resynchronize was issued from module `modulename`.

A coupling facility data table server is a separate address space that handles all requests made to coupling facility data tables which reside in the pool which it serves. When CICS re-establishes its connection to a coupling facility data table pool server, it must perform resynchronization in order to complete recovery processing for any unresolved units of work which had made recoverable updates to coupling facility data tables residing in the pool.

**System action**
CICS fails the request to the coupling facility data table.

Other requests to coupling facility data tables which reside in this pool will succeed if they do not require the pool to have been resynchronized, or might attempt another resynchronization if they do.

**User response**
Determine the reason for the failure to resynchronize. Diagnostic messages issued by CICS components involved in the resynchronization and by the coupling

Depending on the stage during resynchronization at which the failure occurred, any subsequent request to a recoverable file which uses a coupling facility data table in the pool might trigger an attempt to retry the resynchronization. If such requests do not trigger a retry, then you should recycle the server region for this pool (by stopping or cancelling the server region using a server command, and then restarting it).

**Module:**
DFHFCDR, DFHFCDO, DFHFCDU

**XMEOUT parameters/Message inserts**

1. `applid`
2. `poolname`
3. `modulename`

**Destination**
Console

**DFHFC7113**

`applid` An attempt to retry resynchronization of coupling facility data table pool `poolname` issued from module `modulename` has failed.

**Explanation**
CICS has issued a request to the coupling facility data table server for pool `poolname`. This request requires the pool to have been resynchronized.

Although CICS currently has a connection established to the pool server, an earlier attempt to resynchronize the pool failed, so the resynchronization has been retried. This retry has also failed. The attempt to retry resynchronization of the pool was issued from module `modulename`.

A coupling facility data table server is a separate address space that handles all requests made to coupling facility data tables which reside in the pool which it serves. When CICS has re-established its connection to a coupling facility data table pool server, it must perform resynchronization in order to perform recovery processing for any unresolved units of work which had made recoverable updates to coupling facility data tables residing in the pool.

Certain requests require the coupling facility data table pool to have been resynchronized before they can succeed. Such requests include:

- Open requests for files which are defined to use recoverable coupling facility data tables (open
requests against non-recoverable coupling facility data tables do not require the pool to have been resynchronized).

- Syncpoint requests for units of work which have made recoverable updates to coupling facility data tables such as commit or backout requests.

These requests do not require all the units of work to have been resolved, but they do require CICS to have successfully restarted its recoverable connection to the pool server.

**System action**

CICS fails the request to the coupling facility data table pool.

Other requests to this pool server will succeed if they do not require the pool to have been resynchronized, or will attempt another resynchronization if they do.

**User response**

Determine the reason for the failure to resynchronize. Diagnostic messages issued by CICS components involved in the resynchronization and by the coupling facility data table server address space should assist you in doing this.

**Module:** DFHFCDO, DFHFCDU

### XMEOUT parameters/Message inserts

1. **applid**
2. **poolname**
3. **modulename**

**Destination**

Console

**DFHFC7114**

**applid** Force purge of transaction **trannum** which made recoverable updates to coupling facility data table pool **poolname** has failed.

**Explanation**

An attempt to force purge transaction **trannum** has failed. The system attempted to force purge the transaction because it had made recoverable updates to one or more coupling facility data tables residing in the coupling facility data table pool **poolname**, and the server for that coupling facility data table pool is undergoing resynchronization. The fact that this resynchronization is taking place is an indication that a failure has occurred which will have resulted in all recoverable updates made to the coupling facility data table pool **poolname**, which have not yet been committed, having been backed out. This transaction had therefore made updates which have since been backed out, so the transaction needs to be abended, in order to ensure that any updates which it made to other recoverable resources will also be backed out. However, it has not been possible to purge this transaction.

The effect of the failure to purge this transaction is that updates made to other recoverable resources may be committed, with the result that the overall unit of work will not be commit-consistent. It is also possible that the transaction will try to make subsequent updates to the coupling facility data table pool which will cause it to be abnormally terminated.

**System action**

Resynchronization of the coupling facility data table server pool continues.

**User response**

If the transaction is still active, then attempt to force purge the transaction using the CEMT main terminal command. However, as this should be a rare situation, consider performing an immediate shutdown of CICS followed by an emergency restart as an alternative solution. This causes all inflight transactions to be backed out.

**Module:** DFHFCDY

### XMEOUT parameters/Message inserts

1. **applid**
2. **trannum**
3. **poolname**

**Destination**

Console

**DFHFC7115**

**applid** The coupling facility data table server for pool **poolname** has failed and restarted. One or more in-flight transactions which had made recoverable updates to coupling facility data tables residing in the pool will be abended.

**Explanation**

The coupling facility data table server for data table pool **poolname** is undergoing resynchronization. The fact that this resynchronization is taking place is an
indication that a failure has occurred which will mean that any recoverable updates made to the coupling facility data table pool poolname that had not yet been committed will have been backed out. Any in-flight transaction which had made recoverable updates to one or more coupling facility data tables residing in data table pool poolname therefore needs to be abended, in order to ensure that any updates which it made to other recoverable resources will also be backed out.

This message is issued to inform you that one or more such in-flight transactions has been found, and that CICS will attempt to abend the transactions and cause them to back out by force purging them. You should therefore expect that one or more transactions will be abnormally terminated with an ACH transaction abend code (or possibly, in some instances, with an AKC3 abend code).

System action
Resynchronization of the coupling facility data table server pool will complete, and one or more in-flight transactions will be abnormally terminated.

User response
None.

This message is purely informational, to indicate that transactions will be abended in order to preserve data integrity.

Module:
DFHFCDY

XMEOUT parameters/Message inserts
1. applid
2. poolname

Destination
Console

DFHFC7120 applid The coupling facility data table pool poolname has an unresolved unit of work X'UOWid' for this CICS region of which CICS has no knowledge.

Explanation
CICS is resynchronizing the coupling facility data table server for pool poolname. A coupling facility data table server is a separate address space that handles all requests made to coupling facility data tables which reside in the pool that it serves. When CICS has established its connection to a coupling facility data table pool server, it must perform resynchronization in order to perform recovery processing for any unresolved units of work which had made recoverable updates to coupling facility data tables residing in the pool. The resynchronization involves restarting the recoverable connection to the pool server, and completing any unresolved units of work known to the server for which the resolution is now known.

The server has an unresolved unit of work UOWid, but CICS has no knowledge of a link to the pool server for this unit of work. Knowledge of links will be lost when CICS performs an initial start, but in the case of unit of work UOWid there has not been a CICS initial start since the unit of work was created.

System action
CICS resolves the unit of work by backing out the updates that it made to coupling facility data tables within the pool, and completes resynchronization of the pool.

User response
Since CICS will have resolved the unit of work, you do not need to take any immediate action. This message is issued to provide diagnostic information which you may want to use to understand why CICS had no knowledge of the link.

Module:
DFHFCDY

XMEOUT parameters/Message inserts
1. applid
2. poolname
3. X'UOWid'

Destination
Console

DFHFC7121 applid CICS coupling facility data table load has terminated abnormally. A call to DFHXMIQ to retrieve the parameters for the load transaction has failed with response code = n.

Explanation
The CICS task to load a coupling facility data table has failed while trying to inquire on the parameters passed to it during attach. The value of the reason code n indicates the type of failure as follows:
1. Response from XMIQ was INVALID.
2. Response from XMIQ was DISASTER.
3. Response from XMIQ was PURGED.
4. XMIQ failed for some unexpected reason.

**System action**
The user exit XDTLC is not invoked as failure to retrieve the attach parameters means the filename is not known. CICS terminates the loading transaction with abend code ACFD. No records are loaded into the data table.

Requests to access the table result in a "loading" response code.

CICS processing continues.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Determine the cause of the failure of the domain call using the diagnostic information provided by file control.

The file should be closed so that a load may be attempted again when it is next opened.

**Module:**
DFHFCDL

**XMEOUT parameters/Message inserts**
1. **applid**
2. **n**

**Destination**
Console

**DFHFC7130**

date time applid tranid trannum
termid userid. Unit of work X'uwoid' running in region owner-
applid in MVS system MVSid holds a lock on key X'keyid' in coupling
facility data table tablename in pool CFDTpool, which caused this
request to wait.

**Explanation**
This message is issued to aid problem determination when a transaction that has accessed, or attempted to access, a coupling facility data table is about to terminate abnormally with an AFCY abend code.

The message is issued when a request that requires a lock on a coupling facility data table has been issued, but was forced to wait because the record was locked by another unit of work. The wait has been purged by one of the following actions:

- The timeout time for the transaction has been exceeded.
- CICS has purged transactions in an attempt to alleviate a short-on-storage (SOS) condition.
- The transaction has been purged by an operator request.

The name of the transaction that has failed is tranid and it is running under task number trannum, at terminal termid, for user userid.

The message inserts identify the owner of the lock that caused this transaction to timeout:

- **uowid** is the local UOW id of the unit of work running in the region that owns the lock.
- **owner-applid** is the applid of the region that owns the lock.
- **MVSid** is the name of the MVS system in which the region that owns the lock is running.
- **keyid** identifies the key that is locked. As it is not always possible to display keys in character form, the key is displayed in hexadecimal notation.
- **tablename** is the name of the coupling facility data table against which the lock is held.
- **CFDTpool** is the name of the coupling facility data table pool in which the CF data table tablename resides.

The locks held against coupling facility data tables are always exclusive locks, and can only have one holder. Therefore, this message uniquely identifies the owner of the required lock.

**System action**
The transaction is abended with an AFCY abend code.

**User response**
This message identifies the unit of work that is holding the required lock and the region in which it is running. Examine this unit of work to see why it is not releasing the lock; for example:

- The unit of work may be holding CF data table locks and waiting for terminal input.
- The unit of work may be trying to access both coupling facility data table resources and resources owned by another resource manager, creating an inter-resource manager deadlock.

**Module:**
DFHFCDR

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. trannum
6. termid
7. userid
8. X’uowid’
9. owner-applid
10. MVSid
11. X’keyid’
12. tablename
13. CFDTpool

**Destination**

CSFL

---

**DFHHCnnnn messages**

**DFHHC0101I**  *applid* CICS has registered successfully to the z/OS Health Checker.

**Explanation**

CICS has registered successfully to z/OS Health Checker.

It will check definitions periodically and update the z/OS Health Checker.

**System action**

CICS continues.

**User response**

None. The message can be suppressed with the system initialization parameter MSGLVL=0.

**Module:**

DFHHCHK

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

**DFHHC0102I**  *applid* CICS failed to register with the z/OS Health Checker: code(*X’code’)* reason(*X’reason’)* response(*X’reponse’).*

**Explanation**

CICS failed to register with the z/OS Health Checker: code(code) reason(reason) response(response).

**System action**

CICS continues.

**User response**

The code for the failure denotes the macro call that has failed. 1 = GETMAIN, 2 = IARV64, 3 = CSVDYNEX, 4 = HZSCHECK. Depending upon the failure code, refer to the following:

The GETMAIN macro is described in the z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG.

The IARV64 macro is described in the z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG.

The CSVDYNEX macro is described in the z/OS MVS Programming: Authorized Assembler Services Reference ALE-DYN.

The HZSCHECK macro is described in the IBM Health Checker for z/OS Users Guide.

If the z/OS Health Checker is not active, you will need to start the Health Checker in order to collect CICS health checks. After restarting the Health Checker, you will need to restart this region, or start a new region on this LPAR in order to register.

If the health checker is active, you will need assistance from IBM. Take a system dump of CICS and the z/OS Health Checker. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHHCHK

**XMEOUT parameters/Message inserts**

1. applid
2. X’code’
3. X’reason’
4. X’reponse’

**Destination**
Console

**DFHHC0103I** applid Unable to write the results of health checks to the z/OS Health Checker.

**Explanation:**
CICS was unable to write the results of its health checks to common storage shared with the z/OS Health Checker.

**System action**
The CICS system transaction CHCK will terminate and no further checks will be made for this region. CICS continues.

**DFHICnnnnn messages**

**DFHIC0002** applid A severe error (code X’code’) has occurred in module modname.

**Explanation**
An error has been detected in module modname. The code X’code’ is the exception trace point ID which uniquely identifies what the error is and where it was detected.

**System action**
An exception entry (code X’code’ in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you will need assistance.

**DFHIC0200** DATE TIME APPLID Automatic transaction restart for transaction tranid has failed.

**Explanation**
A STARTed nonterminal transaction is ending abnormally and automatic transaction restart was requested via the user replaceable module DFHREST. A severe error occurred when CICS attempted to restart the transaction.

**User response**
This may be the result of previous error reported in message DFHHC0102.

The message can be suppressed with the system initialization parameter MSGLVL=0.

**Module:**
DFHHCHK

**XMEOUT parameters/Message inserts**
1. applid

**Destination**
Console
restart was requested continues. The transaction is not automatically restarted.

**User response**

Investigate the reason for the earlier severe error. See message DFHAP0002 for further guidance. Restart the transaction manually if necessary.

**Module:**
DFHICXM

**XMEOUT parameters/Message inserts**

1. **DATE**  
2. **TIME**  
3. **APPLID**  
4. **tranid**

**Destination**

CSMT and Console

DFHIC0310 `date time applid tranid` Unable to attach transaction - tranid to terminal - termid

**Explanation**

An attempt was made to start transaction tranid on terminal termid as a result of:

- a START command, or
- a DFHIC TYPE=PUT macro, or
- a DFHIC TYPE=INITIATE macro.

The attempt was rejected. The most likely cause is that, at the time the attempt was made, the terminal was unknown in the system.

This message is also issued when:

- A START command is issued in an application owning region (AOR) for a terminal that exists as a remote terminal entry in the AOR, but the destination system ID associated with the remote terminal has not been defined.
- A START command is issued against a pipeline device, or other device which is not eligible for ATI requests.

**System action**

The request is deleted from the system.

**User response**

Ensure that a valid terminal name is being specified. If the name is valid, examine the trace (if one is available) to determine why the attempt was rejected.

**Module:**
DFHICP

**XMEOUT parameters/Message inserts**

1. **date**  
2. **time**  
3. **applid**  
4. **tranid**  
5. **termid**

**Destination**

Console

DFHIC0360 `date time applid tranid` An attempt to establish security for userid userid has failed. Transaction tranid cannot be started without a terminal. SAF codes are `(X'safresp','X'safreas')`. ESM codes are `(X'esmresp','X'esmreas')`.

**Explanation**

An attempt was made to establish security for userid userid but it was rejected by the external security manager (ESM).

A time ordered request, such as an EXEC CICS START command, required security to be established for the userid in order to start the transaction tranid without a terminal.

**System action**

Security has not been established for the userid. The attempt to start the transaction has failed.

**User response**

The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the z/OS MVS Programming: Authorized Assembler Services Guide, and in z/OS Security Server RACROUTE Macro Reference (SC28-1366). See these manuals for an explanation of the codes.
There may be further messages produced by CICS or the external security manager (ESM) which provide more information.

**Module:**
DFHICUS

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. tranid
6. X'safresp'
7. X'safreas'
8. X'esmresp'
9. X'esmreas'

**Destination**
CSCS

**DFHIC0801 applid CICS time altered from hh.mm.sss to hh.mm.sss - date dddddd - relative day rrr**

**Explanation**
This console message is printed when the operating system-maintained time of day has been rolled back or rolled forwards (for example, when the operating system clock is reset to zero at midnight). Where:
- hh.mm.sss is the time in hours minutes and tenths of a second
- dddddd is the current date in the format specified by the DATFORM parameter in the system initialization table
- rrr is the day number relative to the day CICS was started.

**System action**
CICS has recognized the condition and adjusted its own time of day to agree with that of the operating system.

**User response**
None

---

**Module:**
DFHTAJP

**XMEOUT parameters/Message inserts**
1. applid
2. hh.mm.sss
3. hh.mm.sss
4. dddddd
5. rrr

**Destination**
Console

**DFHIC0802 applid S/370 clock inoperative ... external action required**

**Explanation**
CICS execution is dependent on the continued operation of the processor time-of-day clock. This warning message is sent to the console operator during the execution of the time adjustment program if the system detects a processor clock failure at that time. Immediate corrective action (if possible) must be taken by the console operator, if the clock has been disabled for any reason.

**System action**
CICS abnormally terminates itself after the condition is detected.

**User response**
The ability to enable or disable the time-of-day clock is under the control of the console operator. If the clock is disabled, it must be enabled immediately.

---

**Module:**
DFHTAJP

**XMEOUT parameters/Message inserts**
1. applid

**Destination**
Console
DFHIEEnnnn messages

DFHIE0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem. If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHIEXM

XMEOUT parameters/Message inserts
1. applid
2. aaa/bbbb
3. X'offset'
4. modname

Destination
Console

DFHIE0002 applid A severe error (code X'code') has occurred in module modname.

Explanation
An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System action
An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.
If the message recurs or if you cannot run without the full use of module `modname`, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHIEXM

**XMEOUT parameters/Message inserts**

1. `applid`
2. `X'code'`
3. `modname`

**Destination**

Console

DFHIE0003 `applid` Insufficient storage to satisfy Getmain (code `X'code'`) in module `modname`.

**Explanation**

A CICS GETMAIN was issued by module `modname`, but there was insufficient storage available to satisfy the request.

The code `X'code'` is the exception trace point ID which uniquely identifies the place where the error was detected.

**System action**

An exception entry is made in the trace table (code `code` in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. This is a critical error.

If DFHIEDM issues this message, CICS terminates, even if you have specified in the dump table that CICS should not terminate.

If DFHIEXM issues this message, an exception trace and a system dump is taken and CICS continues.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module `modname`, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try increasing the size limits of the DSAs or EDSAs. See the Configuring or the Improving performance for further information on CICS storage.

**Module:** DFHIEXM

**XMEOUT parameters/Message inserts**

1. `applid`
2. `X'code'`
3. `modname`

**Destination**

Console

DFHIE0004 `applid` A possible loop has been detected at offset `X'offset'` in module `modname`.

**Explanation**

A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module `modname` at offset `X'offset'`. This is the offset of the instruction that was executing at the time the error was detected.

**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Because some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an
error here. Usually, CICS will purge a CICS function that exceeds the runaway task time interval that you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the module `modname` will be terminated and CICS will continue.

If you have declared ICVR=0 in the SIT and you consider that module `modname` has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module `modname`, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. However, you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHIEXM

**XMEOUT parameters/Message inserts**

1. `applid`
2. `X'oффset'`
3. `modname`

**Destination**
Console

**DFHIE0360**

*date time applid* An attempt to establish security for userid `userid` has failed. Transaction `tranid` cannot be started. SAF codes are (`X'safresp',`X'safreas`). ESM codes are (`X'esmresp',`X'esmreas`).

**Explanation**

An attempt was made to establish security for userid `userid` but it was rejected by the external security manager (ESM).

A time ordered request, such as an EXEC CICS START command, required security to be established for the userid in order to start transaction `tranid`.

**System action**

Security has not been established for the userid. The attempt to start the transaction has failed.

**User response**

The response and reason codes (`safresp` and `safreas`) returned by the system authorization facility (SAF), and the response and reason codes (`esmresp` and `esmreas`) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the z/OS MVS Programming: Authorized Assembler Services Guide, and in z/OS Security Server RACROUTE Macro Reference (SC28-1366). See these manuals for an explanation of the codes.

There may be further messages produced by CICS or the external security manager (ESM) which provide more information.

**Module:**
DFHIEXM

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `userid`
5. `tranid`
6. `X'safresp'`
7. `X'safreas'`
8. `X'esmresp'`
9. `X'esmreas'`

**Destination**
CSCS

**DFHIE0361 E**

*DATE TIME APPLID* A security error has been detected whilst processing an attach from a TCP/IP attached client.

**Explanation**

A request to attach a transaction failed due to a security problem. The security fields extracted from the Attach FMH5 were passed to the Security Domain to signon the user, but the signon call failed.

**System action**

The attach request is rejected.

**User response**

Refer to previous security messages which are written to TDQ CIEO such as DFHIE0360 for further
information and guidance. If no previous messages were issued, examine the trace to determine the reason for the signon failure. Check that if the userid or password are passed on the Attach FMH5, then they are valid.

Module:
DFHIEP

XMEOUT parameters/Message inserts

1. DATE
2. TIME
3. APPLID

Destination
CIEO

DFHIE0998

```
date time applid

Mirror transaction processing ECI request from TCP/IP connected client has abended with code abcode.
```

Explanation

A mirror transaction processing an ECI request for a TCP/IP connected client has abended with the specified abend code. This is because of an error in the user program linked for the ECI request, or because of an error in CICS. The abend processing has invoked IE domain to inform the client of the failure.

System action

If the original problem was in IE domain, the appropriate error actions will already have been taken. If the problem was not in IE domain, this message will be attached as Error Log Data to an FMH7 that is sent to the client to abend the conversation.

User response

Use the messages and dumps from the transaction abend to determine the root cause of the problem.

Module:
DFHIEIE

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. abcode

Destination
CIEO

DFHIE0999

```
date time applid

An attempt to start transaction CIEP by something other than an attach request from sockets domain has been made. This is not allowed.
```

Explanation

An attempt has been made to start transaction CIEP by some method other than a transaction attach from sockets domain. Transaction CIEP is a system task and cannot be entered from a terminal.

System action

The CIEP transaction has not been started.

User response

Do not attempt to enter CIEP from a terminal or from any other device. CICS will start the transaction if an ECI request is made via a TCP/IP attached client. No user action is required.

Module:
DFHIEP

XMEOUT parameters/Message inserts

1. DATE
2. TIME
3. APPLID

Destination
CIEO

DFHIE1001

```
date time applid client_ip_addr tcpipservice

Data received from the client violated the bracket protocol.
```

Explanation

Data received from the client violated the bracket protocol used in communication between the client and CICS to delimit the start and end of conversations. One of the following situations has occurred.

- A flow without Begin Bracket arrived when there was no active conversation
- A flow with Begin Bracket arrived when there was an active conversation
- An FMH7 (conversation abend) flow without End Bracket was received.
This has probably happened because a separate error has caused CICS and the client to have a different view of the current state of conversations on the connection, or because the data has been corrupted at some point in the transmission.

**System action**

An exception trace is written. It contains the data received from the client, and the state of any relevant conversation in CICS. The data is then ignored.

**User response**

If there are any other errors preceding this one, then take action to correct them and retry the client transaction. If there are no other errors apparent, restart the client connection and retry the client transaction.

**Module:**
DFHIEIE

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice

**Destination**

CIEO

**Explanation**

Data received from the client violated the chaining protocol used in communication between the client and CICS. All flows must have the Only In Chain (OIC) indicators set on.

This has probably happened because a separate error has caused the data to be corrupted at some point in the transmission.

**System action**

An exception trace is written. It contains the data received from the client, and the state of any relevant conversation in CICS. The data is then ignored.
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice

Destination
CIEO

**DFHIE1004**  
`date time applid client_ip_addr tcpipservice` Data received from the client had an invalid length field.

**Explanation**
Data received from the client contains a standard header, the first four bytes of which contain the length of the rest of the data. This length was either less than the length of the standard header, or more than the maximum possible for an ECI flow. This has probably happened because a separate error has caused the data to be corrupted at some point in the transmission.

**System action**
An exception trace is written. It contains the four byte length received from the client, and information describing the current state of the client in CICS. CICS attempts to purge any active conversations for the client. The connection to the client is terminated.

**User response**
If there are any other errors preceding this one, then take action to correct them, restart the client connection and retry the client transaction. If there are no other errors apparent, restarting the client connection and retrying the client transaction may also work.

**Module:**  
DFHIEIE

**DFHIE1005**  
`date time applid client_ip_addr tcpipservice` ECI client install failed.

**Explanation**
A CICS client attempted to connect over TCP/IP. The subsequent install processing failed due to an internal CICS error.

**System action**
An exception trace is written. It contains the data received from the client in the install flow. The connection to the client is terminated. There should be messages and (possibly) dumps from a component of CICS other than IE to indicate the cause of the failure.

**User response**
Proceed as recommended by the messages issued by the failing component.

**Module:**  
DFHIEIE

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice

Destination
CIEO

**DFHIE1006**  
`date time applid client_ip_addr tcpipservice` ECI request received before install.

**Explanation**
CICS received an ECI request from a TCP/IP connected client before the client install request had arrived or been completed.

**System action**
An exception trace is written. It contains the ECI request data received from the client. The connection to the client is terminated.
**User response**

If there are any other errors preceding this one, then take action to correct them, restart the client connection and retry the client transaction. If there are no other errors apparent, restarting the client connection and retrying the client transaction may also work.

**Module:**
DFHIEIE

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice

**Destination**
CIEO

**Explanation**
CICS received a request to either install or uninstall a TCP/IP connected ECI client. The data describing the request was invalid. This is probably caused by an earlier error corrupting the data.

**System action**
An exception trace is written. It contains the request data received from the client. The connection to the client is terminated.

**User response**
If there are any other errors preceding this one, then take action to correct them. If the failure was while starting a client connection, then re-try the start.

**Module:**
DFHIEIE

**XMEOUT parameters/Message inserts**

1. date
time applid client_ip_addr tcpipservice

**Destination**
CIEO

**Explanation**
CICS received a request to install a TCP/IP connected ECI client. The request header indicated that the client code was a version not supported by this level of CICS.

**System action**
An exception trace is written. It contains the request data received from the client. The connection to the client is terminated.

**User response**
Check which versions of the client are supported by CICS and re-install as appropriate.

**Module:**
DFHIEIE

**XMEOUT parameters/Message inserts**

1. date
time applid client_ip_addr tcpipservice

**Destination**
CIEO

**Explanation**
CICS received a request to install a TCP/IP connected ECI client. The client code page specified in the request is not one that this CICS system’s DFHCNV table supports.

**System action**
An exception trace is written. It contains the request data received from the client, including the client code page. The connection to the client is terminated.
User response
Modify the DFHCNV table to include the necessary information to support this client code page.

Module:
DFHIEIE

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice
6. codepage

Destination
CIEO

DFHIE1010 date time applid client_ip_addr tcpipservice Data arrived when CICS in SEND state.

Explanation
CICS received data from a client conversation that was in SEND state at the CICS end.

This has probably happened because a separate error has caused CICS and the client to have a different view of the current state of conversations on the connection, or because the data has been corrupted at some point in the transmission.

System action
An exception trace is written. It contains the data received from the client, and the state of the relevant conversation in CICS. The data is then ignored.

User response
If there are any other errors preceding this one, then take action to correct them and retry the client transaction. If there are no other errors apparent, restart the client connection and retry the client transaction.

Module:
DFHIEIE

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice

Destination
CIEO

DFHIE1011 date time applid client_ip_addr tcpipservice Invalid data received from client.

Explanation
CICS expected the data received from a client to contain an ECI request or a syncpoint flow but it was not recognizable as such.

This has probably happened because a separate error has caused CICS and the client to have a different view of the current state of conversations on the connection, or because the data has been corrupted at some point in the transmission.

System action
An exception trace is written. It contains the data received from the client, and the state of the relevant conversation in CICS. The data is then ignored.

User response
If there are any other errors preceding this one, then take action to correct them and retry the client transaction. If there are no other errors apparent, restart the client connection and retry the client transaction.

Module:
DFHIEIE

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice

Destination
CIEO

DFHIE1012 date time applid client_ip_addr tcpipservice Install request from the client did not contain the client codepage.
**Explanation**
An install request has been received from a CICS client. One of the parameters which must be supplied is the codepage which the CICS client intends to use. This parameter is missing.

**System action**
An exception trace is written. The request to install the CICS client is rejected. A response code of DISASTER and a reason code of INVALIDREQUEST is sent to the client.

**User response:**
Module: DFHIEIE

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice

**Destination**
CIEO

**DFHIE1013**

<table>
<thead>
<tr>
<th>date</th>
<th>time</th>
<th>applid</th>
<th>client_ip_addr</th>
<th>tcpipservice</th>
</tr>
</thead>
</table>

**Explanation**
CICS received a connection level PING reply when it had not issued a request. This is probably because the client and CICS are out of step with regard to their connection state.

**System action**
An exception trace is written. It contains the data received from the client. The data is then ignored.

**User response**
Restart the client connection, if the condition repeats.

Module: DFHIEIE

**XMEOUT parameters/Message inserts**
1. date

**Destination**
CIEO

**DFHIE1101**

<table>
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<th>time</th>
<th>applid</th>
<th>client_ip_addr</th>
<th>tcpipservice</th>
</tr>
</thead>
</table>

**Explanation**
The IP ECI (IE) domain issued a storage manager getmain which did not complete successfully. This is probably because of a storage overwrite or an internal error in SM domain. This message should be preceded by an SM failure message.

**System action**
An exception trace is written by IE domain and the IP ECI listener task (CIEP) or the mirror task is abended.

**User response**
Determine the reason for the storage manager failure.

Module: DFHIEIE

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice

**Destination**
CIEO

**DFHIE1102**

<table>
<thead>
<tr>
<th>date</th>
<th>time</th>
<th>applid</th>
<th>client_ip_addr</th>
<th>tcpipservice</th>
</tr>
</thead>
</table>

**Explanation**
A call was made to the IP ECI (IE) domain during the processing of a request but the parameter list was not valid. This is probably because of a storage overwrite or an internal error in the calling component.
System action
An exception trace is written by IE domain, a system dump is taken and the IP ECI listener task (CIEP) or the mirror task is abended.

User response
Use the dump to determine the fault in the calling component.

Module:
DFHIEIE

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice

Destination
CIEO

Explanation
The IP ECI (IE) domain issued a Sockets Domain receive which did not complete successfully. This is probably because of a storage overwrite or an internal error in SO domain. This message should be preceded by an SO failure message.

System action
An exception trace is written by IE domain and the IP ECI listener task (CIEP) is abended.

User response
Determine the reason for the Sockets Domain failure.

Module:
DFHIEIE

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice

Destination
CIEO

Explanation
The IP ECI (IE) domain issued a Sockets Domain send which did not complete successfully. This is probably because of a storage overwrite or an internal error in IE domain.

System action
An exception trace is written by IE domain, a system dump is taken and the mirror task is abended.

User response
Use the dump to determine the fault in IE domain, or just retry the failing request if there were signs of other errors on the connection.

Module:
DFHIEIE

Explanation
The IP ECI (IE) domain issued a Sockets Domain send which did not complete successfully. This is probably because of a storage overwrite or an internal error in
SO domain. This message should be preceded by an SO failure message.

**System action**
An exception trace is written by IE domain and the IP ECI listener task (CIEP) or mirror task is abended.

**User response**
Determine the reason for the Sockets Domain failure.

**Module:**
DFHIEIE

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice

**Destination**
CIEO

**DFHIE1106**

| date | time | applid | client_ip_addr | tcpipservice | Error attempting to wait for client data. |

**Explanation**
The IP ECI (IE) domain issued a Dispatcher WAIT_MVS from a mirror task to await the arrival of more data from the client. The WAIT_MVS did not complete successfully. This is probably because of a storage overwrite or an internal error in DS domain. This message should be preceded by an DS failure message.

**System action**
An exception trace is written by IE domain and the IP ECI listener task (CIEP) or the mirror task is abended.

**User response**
Determine the reason for the storage manager failure.

**Module:**
DFHIEIE

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice

**Destination**
CIEO

**DFHIE1201**

| date | time | applid | client_ip_addr | tcpipservice | Error attaching mirror transaction id transid. |

**Explanation**
The IP ECI (IE) domain issued a transaction manager attach for a mirror task to process an ECI request received from a client. The attach did not complete successfully. This is probably because of a storage overwrite or an internal error in XM domain. This message should be preceded by an XM failure message.
System action
An exception trace is written by IE domain. An error flow (FMH7) is sent to the client to inform it of the failure of the request.

User response
Determine the reason for the XM failure.

Module: DFHIEIE

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice

Destination
CIEO

DFHIE1202 date time applid client_ip_addr tcpipservice ECI request timed out. Abnormal termination initiated.

Explanation
The conversation ping protocol was used because a current ECI conversation appeared to be inactive. The protocol confirmed that the client and CICS were both unable to continue so the decision was taken to abend the conversation. The most likely cause of this is that the user program specified in the ECI request has issued calls that have caused the mirror task to go into a prolonged wait state, so preventing a reply to the ECI request being sent to the client.

System action
An exception trace is written by IE domain. An attempt is made to purge the mirror task that is responsible for processing the ECI request. If this fails, the task is marked so that it will abend when it next attempts to communicate with the client.

User response
Determine the reason for the mirror task going into a prolonged wait state.

Module: DFHIEIE

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice

Destination
CIEO

DFHIE1203 date time applid client_ip_addr tcpipservice EPI request attempted by TCP/IP connected client.

Explanation
The IP ECI (IE) domain received an attach request for the CTIN transaction, which is only used in the processing of EPI requests. EPI is not supported by CICS for TCP/IP connected clients.

System action
An exception trace is written by IE domain. A CTIN INSTALL error response is sent to the client to tell it that the install was cancelled.

User response
Do not attempt to use EPI from TCP/IP connected clients.

Module: DFHIEIE

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice

Destination
CIEO

DFHIE1204 date time applid client_ip_addr tcpipservice Data lost during ECI request processing.
Explanation

The conversation ping protocol was used because a current ECI conversation appeared to be inactive. The client returned NOT_ABENDED to the conversation ping request sent by CICS, indicating that it is in RECEIVE state having sent the data that CICS timed out waiting to receive. However, CICS has not received the data. This error is probably due to other errors that occurred during the lifetime of the conversation.

System action

An exception trace is written by IE domain. An error flow (FMH7) is sent to the client indicating that the conversation is to be abended. An attempt is made to purge the mirror task that is responsible for processing the ECI request. If this fails, the task is marked so that it will abend when it next attempts to communicate with the client.

User response

Determine the reason for the loss of data by analyzing the cause of the associated errors.

Module:

DFHIEIE

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice

Destination

CIEO

DFHIE1206 date time applid client_ip_addr tcpipservice Mirror transaction id transid is disabled.

Explanation

The IP ECI (IE) domain issued a transaction manager attach for a mirror task to process an ECI request received from a client. The attach did not complete successfully because the specified transaction id for the mirror task has been disabled.

System action

An exception trace is written by IE domain. An error flow (FMH7) is sent to the client to inform it of the failure of the request.

User response

If the transaction id should not have been disabled then use CEMT or a similar control transaction to enable it. The ECI request can then be retried.

Module:
DFHIEIE

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice
6. transid

Destination
CIEO

DFHIE1207  date time applid client_ip_addr
tcpipservice Mirror transaction id transid not found.

Explanation
The IP ECI (IE) domain issued a transaction manager attach for a mirror task to process an ECI request received from a client. The attach did not complete successfully because the specified transaction id for the mirror task is not defined on this CICS system.

System action
An exception trace is written by IE domain. An error flow (FMH7) is sent to the client to inform it of the failure of the request.

User response
Install a definition for the specified transaction id or change the client to use the correct one. The ECI request can then be retried.

Module:
DFHIEIE

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice
6. transid

Destination
CIEO

DFHIE1208 date time applid client_ip_addr
tcpipservice Mirror transaction id transid has been disabled because CICS is shutting down.

Explanation
The IP ECI (IE) domain issued a transaction manager attach for a mirror task to process an ECI request received from a client. The attach did not complete successfully because the specified transaction id for the mirror task has been disabled by the system during shutdown.

System action
An exception trace is written by IE domain. An error flow (FMH7) is sent to the client to inform it of the failure of the request.

User response
If you wish to allow mirror tasks to run during shutdown then the transaction id must be defined as SHUTDOWN(ENABLED).

Module:
DFHIEIE

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice
6. transid

Destination
CIEO

DFHIE1209 date time applid client_ip_addr
tcpipservice Error assigning termid to mirror task.

Explanation
The IP ECI (IE) domain issued a call to allocate a unique value to be placed in EIBTRMID for the mirror task processing an ECI request. This call failed for some internal reason or, much less likely, because all 46656 names are currently in use. This is probably because of a storage overwrite or an internal error in the DFHZGBM routine that allocates the names. This message should be preceded by a failure message from DFHZGBM.
**System action**
An exception trace is written by IE domain. The mirror attach is rejected with an FMH7 flow.

**User response**
Determine the reason for the DFHZGBM failure.

**Module:**
DFHIEIE

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice

**Destination**
CIEO

**DFHIE1210**
\[ date time applid client_ip_addr tcpipservice \]
ECI request timed out. Client says conversation not known.

**Explanation**
The conversation ping protocol was used because a current ECI conversation appeared to be inactive. The client indicated that it did not know about the specified conversation so CICS will attempt to purge the associated mirror task. The most likely cause of this is that the client program encountered an error and lost track of current requests.

**System action**
An exception trace is written by IE domain. The mirror task issues a transaction abend.

**User response**
Determine why the client has not sent the next flow in this conversation or see the user response for the earlier IE domain message.

**Module:**
DFHIEIE

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice

**Destination**
CIEO

**DFHIE1211**
\[ date time applid client_ip_addr tcpipservice \]
ECI request mirror task abended because of read time out or earlier error.

**Explanation**
This ECI request mirror task was flagged for abend for one of the following reasons.

- There was no response within the RTIMOUT period when CICS was waiting for data from the client on this conversation.
- There was an error on the conversation and the mirror task purge request could not be completed (probably because the mirror has the recommended setting of SPURGE(NO)).

**System action**
An exception trace is written by IE domain. The mirror attach is rejected with an FMH7 flow.

**User response**
Determine the reason for the DFHZGBM failure.

**Module:**
DFHIEIE

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice

**Destination**
CIEO

**DFHIE1212**
\[ date time applid client_ip_addr tcpipservice \]
Unexpected user data received from TCP/IP connected client.
Explanation
CICS has received user data (an ECI request or SYNCPOINT flow) for a mirror task that was not expecting any. This error is probably due to other errors related to the TCP/IP connection that have corrupted the flow sequence.

System action
An exception trace is written by IE domain. An attempt is made to purge the mirror task that is responsible for processing the ECI request. If this fails, the task is marked so that it will abend when it next attempts to communicate with the client.

User response
Determine the reason for the corrupted data by analyzing the cause of the associated errors.

Module:
DFHIEIE

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice

Destination
CIEO

DFHIE1213 date time applid client_ip_addr tcpipservice Client has encountered an error during ECI processing. FMH7 sense sense received from client.

Explanation
CICS has received an FMH7 error flow from a TCP/IP connected ECI client. This indicates that the client encountered an error during its processing of the work related to the ECI request and wishes to abnormally terminate the conversation. The sense code specifies the type of error.

System action
An exception trace is written by IE domain. An attempt is made to purge the mirror task that is responsible for processing the ECI request. If this fails, the task is marked so that it will abend when it next attempts to communicate with the client.

User response
Determine the problem at the client end.

Module:
DFHIEIE

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. client_ip_addr
5. tcpipservice
6. sense

Destination
CIEO

DFHINnnnnn messages

DFHIN1001 date time applid termid userid The indoubt tool is now active for DFHTCIND tranclass transactions.

Explanation
The indoubt tool is active and causes all units of work (UOWs) running under transactions defined to be in transaction class DFHTCIND to fail indoubt when they reach syncpoint.

A unit of work that fails indoubt is either shunted by the recovery manager domain or is unilaterally committed or unilaterally backed out by recovery manager. A unit of work is shunted if the transaction definition under which it is running specifies WAIT(yes) as an indoubt option, and the unit of work has not accessed any resources that force a unilateral decision to be taken.

System action
CICS processing continues with the indoubt tool active.

User response
None.

Module:
DFHINDT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. userid

Destination
CSMT and Terminal End User

DFHIN1002 date time applid The indoubt tool is already active.

Explanation
A CIND ON request was issued to activate the indoubt tool but CICS has detected that the indoubt tool is already active.

System action
CICS processing continues with the indoubt tool active.

User response
None.

Module: DFHINDT

Destination
Terminal End User

DFHIN1003 date time applid The indoubt tool is active for DFHTCIND tranclass transactions.

Explanation
A CIND INQUIRE request was issued to inquire on the status of the indoubt tool. CICS has detected that the indoubt tool is active.

System action
CICS processing continues with the indoubt tool active.

User response
None.

Module: DFHINDT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. userid

Destination
CSMT and Terminal End User

DFHIN1005 date time applid The indoubt tool is already inactive.

Explanation
A CIND OFF request was issued to deactivate the indoubt tool but CICS has detected that the indoubt tool is already inactive.

System action
CICS processing continues with the indoubt tool inactive.

User response
None.

Module: DFHINDT
System action
CICS processing continues with the indoubt tool inactive.

User response
None.

Module:
DFHINDT

Destination
Terminal End User

DFHIN1006  
**date**  **time**  **applid**  The indoubt tool is not active.

Explanation
A CIND INQUIRE request was issued to inquire on the status of the indoubt tool. CICS has detected that the indoubt tool is inactive.

System action
CICS processing continues with the indoubt tool inactive.

User response
None.

Module:
DFHINDT

Destination
Terminal End User

DFHIN1007  
**date**  **time**  **applid**  **termid**  **userid**  Initiation of resynchronization for units of work awaiting coordinator DFHINDSP is now complete.

Explanation
A CIND RESYNC COMMIT or CIND RESYNC BACKOUT request was issued. The indoubt tool has successfully initiated resynchronization of all units of work (UOWs) currently awaiting resynchronization with coordinator DFHINDSP.

System action
Shunted UOWs awaiting the return of coordinator DFHINDSP are unshunted by the recovery manager (RM) domain. All participants in the UOW are notified of the outcome of the unit of work. The outcome of the unit of work is defined by the user of CIND, for example, CIND RESYNC COMMIT tells the RM domain to unshunt the UOWs and commit them. Likewise, CIND RESYNC BACKOUT tells the RM domain to backout the UOWs. Message DFHIN1012 is issued to transient data for each UOW resynchronized.

For UOWs awaiting the return of coordinator DFHINDSP which were not shunted, that is, they abended before syncpoint, or a unilateral decision was taken, a CIND SYNC command merely results in message DFHIN1012 being issued to transient data. DFHIN1012 reports on whether this CICS system and DFHINDSP are synchronized.

User response
See the associated transient data DFHIN1012 messages.

Module:
DFHINDT

XMEOUT parameters/Message inserts
1. **date**
2. **time**
3. **applid**
4. **termid**
5. **userid**

Destination
CSMT and Terminal End User

DFHIN1008  
**date**  **time**  **applid**  **termid**  **userid**  Invalid CIND keyword. Specify one of the following: ON, OFF, INQUIRE, RESYNC COMMIT, or RESYNC BACKOUT.

Explanation
The CIND transaction was invoked with an invalid keyword.

System action
CICS processing continues and the status of the indoubt tool is unchanged.

User response
Reinvoke the CIND transaction with the correct keyword.

Module:
DFHINDT
Destination

Terminal End User

**DFHIN1009**

*date time applid* The indoubt tool has added coordinator link DFHINDSP to UOW X’uowid’ for transaction tranid task number taskno.

**Explanation**

The indoubt tool task related user exit DFHINTRU, invoked when a transaction is first started, has detected that the transaction is part of transaction class DFHTCIND. Coordinator DFHINDSP has been added to unit of work (UOW) so that the transaction will fail indoubt when a syncpoint is issued.

**System action**

The named transaction and UOW continue processing until it reaches syncpoint when it will fail indoubt.

**User response**

None.

**Module:**

DFHINTRU

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. X’uowid’
5. tranid
6. taskno

---

**Destination**

CSMT

**DFHIN1010**

*date time applid* Coordinator DFHINDSP is not available. The indoubt tool has caused RM domain to shunt UOW X’uowid’ for transaction tranid task number taskno.

**Explanation**

UOW X’uowid’ for transaction tranid was not shunted, and is not indoubt despite being monitored by the indoubt tool. One of the following has occurred:

- The unit of work abended before syncpoint.
- The unit of work was rolled back.
- The unit of work failed indoubt at syncpoint time but the recovery manager domain was forced to take a unilateral decision instead of shunting the UOW.
- The unit of work failed indoubt at syncpoint time but the recovery manager domain detected that the unit of work was read-only, that is, no recoverable resources were updated, and therefore no shunting was required.

**System action**

CICS processing continues.

**User response**

If the unit of work was abended, rolled back, or a unilateral decision was taken, recovery manager keeps
the resolution of the unit of work pending the return of
the coordinator DFHINDSP.

To synchronize the outcome of the UOW with
coordinator DFHINDSP, issue a CIND RESYNC
command.

**Module:**
DFHINDSP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. X'uowid'
5. tranid
6. taskno

**Destination**
CSMT

DFHIN1012  \textit{date time applid} The indoubt tool is resynchronizing UOW X'uowid' for transaction tranid task number taskno. DFHINDSP coordinator UOW status is \{commit. | backout.\} Recovery manager UOW status is \{commit. | backout. | heuristic commit. | heuristic backout.\}

**Explanation**
The unit of work X'uowid' for the named transaction and task has been resynchronized as a result of a CIND RESYNC command. The message reports the UOW status as defined by the coordinator DFHINDSP, and the unit of work status held by the recovery manager domain. The recovery manager domain also issues messages reporting whether or not the UOW is synchronized.

**System action**
CICS processing continues.

**User response**
None.

**Module:**
DFHINDT

**XMEOUT parameters/Message inserts**

1. date
2. time

DFHIN1013  \textit{date time applid termid userid} No units of work awaiting resynchronization with coordinator DFHINDSP were found.

**Explanation**
A CIND RESYNC COMMIT or CIND RESYNC BACKOUT request was issued. The indoubt tool did not find any units of work (UOWs) that were awaiting resynchronization with coordinator DFHINDSP.

**System action**
CICS processing continues.

**User response**
Before initiating resynchronization, the indoubt tool needs to be activated via command CIND ON, and transactions in tranclass DFHTCIND run to create indoubt units of work.

**Module:**
DFHINDT

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. userid
Destination
CSMT and Terminal End User

DFHIN1014 date time applid The indoubt tool will not operate on transaction tranid task number taskno as it is an internal CICS system transaction.

Explanation
The indoubt tool task related user exit DFHINTRU, invoked when a transaction is first started, has detected that the transaction is part of transaction class DFHTCIND. However it has also detected that the transaction is an internal CICS system transaction. CIND cannot be used on internal CICS system transactions.

System action
The named transaction and task continue processing and are not forced indoubt at syncpoint time.

User response
None.

Module:
DFHINTRU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. taskno

Destination
CSMT

DFHIN1015 date time applid The Indoubt tool has already previously resynchronized UOW X'uowid' for transaction tranid task number taskno. DFHINDSP coordinator UOW status is {commit. | backout.}. Recovery manager UOW status is {commit. | backout. | heuristic commit. | heuristic backout.}

Explanation
The named unit of work (UOW) for the named transaction and task has already been resynchronized as a result of a previous CIND RESYNC command. The message documents the UOW status as defined by the coordinator DFHINDSP, and the unit of work status held by the recovery manager domain.

No messages are issued by the recovery manager domain in this case and no resynchronization takes place. Processing of a previous CIND RESYNC command did not complete fully before CICS failed. In particular, 'forget processing' whereby CICS removes DFHINDSP as a coordinator of the unit of work did not complete. This caused CICS to recover the unit of work on restart with DFHINDSP as coordinator, causing it to be processed by the subsequent CIND RESYNC command.

System action
CICS continues processing.

User response
None.

Module:
DFHINDT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'uowid'
5. tranid
6. taskno
7. Value chosen from the following options:
   1=commit.,
   2=backout.
8. Value chosen from the following options:
   1=commit.,
   2=backout.,
   3=heuristic commit.,
   4=heuristic backout.

Destination
CSMT
DFHIR2122  
*date time applid* Intersystem session recovery. Database changes found to be synchronized. Original failure details: 
*Time=*
*Remote system=*
*Intersystem terminal=*
*Transaction=*
*Task number=*
*Operator terminal=*
*Operator=*
*Unit of work ID=*

**Explanation**

An error occurred on an intersystem session recovery which has now been successfully recovered and resynchronized. This message is normally issued as a follow-up to message DFHRM0107, (which may have been issued at the time of the failure if the session failed at a critical time during syncpoint processing).

**System action**

Processing continues.

**User response**

None.

**Module:**

DFHCRR

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *time*
5. *sysid*
6. *termid*
7. *tranid*
8. *taskno*
9. *termid*
10. *operid*
11. *uowid*

**Destination**

CSMT

DFHIR2123  
*date time applid* Intersystem session recovery. Data base changes found to be out of sync. Original failure details: 
*Time=*
*Remote system=*
*Intersystem terminal=*
*Transaction=*
*Task number=*
*Operator terminal=*
*Operator=*
*Unit of work ID=*

**Explanation**

This message is issued as a follow-up to message DFHRM0107. The original failure information provides a cross-reference.

**System action**

Processing continues.

**User response**

Take user-defined action to resynchronize the local and remote databases.

**Module:**

DFHCRR

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *time*
5. *sysid*
6. *termid*
7. *tranid*
8. *taskno*
9. *termid*
10. *operid*
11. *uowid*

**Destination**

CSMT

DFHIR2124  
*date time applid* Intersystem session recovery. Error when data base changes may be out of sync. Original failure details: 
*Time=*
*Remote system=*
*Intersystem terminal=*
*Transaction=*
*Task number=*
*Operator terminal=*
*Operator=*
*Unit of work ID=*

Chapter 2. CICS messages 943
**Explanation**

This message is issued as a follow-up to message DFHRM0107. During session recovery, the system was unable to determine whether database changes were out of synchronization.

**System action**

Processing continues.

**User response**

Make the necessary database enquiries to detect whether changes are synchronized. If they are not, take user-defined action to resynchronize the databases.

**Module:** DFHCRR

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. time
5. sysid
6. termid
7. tranid
8. taskno
9. termid
10. operid
11. uowid

**Destination**

CSMT

**Explanation**

CICS is attempting to close MRO/IRC communication. This message is normally followed by the netname of each session that is still active, and additionally for EXCI sessions, the jobname, stepname, procname and MVS ID of the batch program communicating on that session.

For EXCI sessions, a netname of GENERIC indicates a generic pipe. For the batch job information to appear in the message, at least one DPL request must have been issued on that session.

**Note:**

In some circumstances the message is not followed by any netnames. This can occur if CICS is using the cross-system coupling facility (XCF) to communicate across CECs, and CICS is unable to deliver an earlier message to XCF because, for example, the XCF buffer is full.

**System action**

CICS issues IRC STOP IMMEDIATE to force close the remaining session(s). This message is reissued at 30 second intervals, or until the last session is closed.

**User response**

None, unless the delay in closedown appears abnormally long. If this is the case, investigate why the session(s) are still active. Take appropriate action to allow the session(s) to close. If no netnames are displayed, investigate why XCF is unable to accept a message from CICS.

**Module:** DFHZDSP

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

**Explanation**

A CICS connection has been defined with the protocol EXCI and an attempt has been made to connect to it by a non-batch system.

There are two possible explanations for this message:

- The non-batch system is attempting to communicate with the wrong target connection definition.
- The target connection definition has incorrectly been defined as an EXCI connection.

**System action**

CICS sets the connection out of service.
User response
Investigate and correct the relevant connection definitions and set back in service.

Module:
DFHCRNP

XMEOUT parameters/Message inserts

1. APPLID  
2. connid

Destination
Console

DFHIR3748 date time applid Initial start of connected system sysid, netname netname, protocol pppp was detected.

Explanation
A new logname was received during the MRO bind process from the connected system. This indicates that the connected system has restarted with a start type of INITIAL, since it last communicated with this CICS. If the message-issuing system has any resynchronization data relating to units of work from a previous usage of the connection, this data is kept but cannot be used by the system for automatic resynchronization.

System action
New MRO work for the connection is not inhibited.

User response
Examine the resynchronization information kept by the system from the previous usage of the connection using the

EXEC CICS INQUIRE UOWLINK RESYNCSTATUS

command (or the equivalent CEMT command) for the named connection in order to locate UOWLINKs with a RESYNCSTATUS of COLDSTART. You can use this information to resolve manually any indoubt units of work that existed on this system or the connected system. When the information is no longer of use, issue the

EXEC CICS SET CONNECTION PENDSTATUS(NOTPENDING)

command (or the CEMT equivalent) for the named connection to discard the resynchronization data relating to the previous usage. Note that any new resynchronization data generated for the newly established connection is still kept.

Module:
DFHCRR

XMEOUT parameters/Message inserts

1. date  
2. time  
3. applid  
4. sysid  
5. netname  
6. pppp

Destination
CSMT and Console

DFHIR3750 applid Unable to stop interregion communication session during startup recovery.

Explanation
A request has been received as the result of an abnormal termination to stop the interregion communication session during the startup recovery process. This request has failed.

System action
The session remains active.

User response
If the session must be stopped, you may have to re-IPL. (To diagnose the underlying problem, contact your IBM Support Center.)

Module:
DFHCRNP

XMEOUT parameters/Message inserts

1. applid

Destination
Console

DFHIR3751 applid Unable to stop interregion communication session during shutdown.
Explanation
A request has been received (by means of system termination, abnormal termination, or main terminal) to stop the interregion communication session during the shutdown process. This request has failed.

System action
The session remains active.

User response
If the session must be stopped, you may have to re-IPL. (To diagnose the underlying problem, contact your IBM Support Center.)

Module: DFHSTP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHIR3760 applid Unable to break lines with interregion communication. (Modname: modname)

Explanation
A request has been made to shut down the interregion session. This has caused module DFHZCX to issue a request to the interregion communication program to terminate the association between CICS and the interregion communication program, but the request failed because of a system error.

System action
Any running batch (database sharing) programs are left in the wait state, and should be canceled. Any CICS tasks (in other CICS systems) that are in communication with this system are also left in the wait state. These other CICS systems should issue CEMT SET CONNECTION(sysid) OUTSERVICE PURGE, where sysid is the CONNECTION name of the system for which DFHIR3760 was issued. Also, any attempt to restart the interregion session (in the current or any subsequent CICS session) fails.

User response
To run further batch CICS interregion communication, you must re-IPL. You will need further assistance to resolve the underlying problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHZIS2, DFHSTP

XMEOUT parameters/Message inserts
1. applid
2. modname

Destination
Console

DFHIR3762 date time applid Inter-region activity now complete

Explanation
A CEMT SET INTERREGION COMMUNICATION (IRC) CLOSED request was issued at the main terminal. The IRC session is now complete.

System action
Processing continues.

User response
None.

Module: DFHCRNP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CSMT

DFHIR3765 UNABLE TO STOP INTERREGION COMMUNICATION SESSION AFTER SYSTEM ABEND.

Explanation
A request has been received (by means of system termination, abnormal termination, or main terminal) to stop the interregion session. This request has failed.

System action
The session remains active.
User response
If the session must be stopped, you may have to re-
IPL. You will need further assistance to resolve the
underlying problem. See Working with IBM to solve
your problem for guidance on how to proceed.

Module:
DFHCRC

Destination
Console

DFHIR3767 applid The interregion startup
program DFHCRSP is not present.

Explanation
Module DFHCRSP is required to start an IRC session,
but is missing from the CICS program library or has no
installed program definition.

System action
The IRC session is not started.

User response
Install DFHCRSP definition (group DFHISC) and/or
supply module DFHCRSP

Module:
DFHSIJ1

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHIR3771 applid Error while attempting to
start interregion communication.

Explanation
CICS has evidence that the IRC session has already
started. This is probably because the previous session
could not be stopped (see messages DFHIR3760 and
DFHIR3765).

Note:
The session, although apparently started, is not in a
usable state.

System action
The IRC session is not started.

User response
Perform another IPL.

Module:
DFHSIJ1

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHIR3772 applid Unable to start interregion
communication because (E)STAE
macro failed.

Explanation
CICS issued an ESTAE macro that did not execute
successfully, probably because storage for a ESTAE
control block (SCB) was not available. For more
information about the SCB, refer to the Application
Programming on z/OS.

System action
The IRC session is not started.

User response
Correct the cause of (E)STAE failure.

Module:
DFHSIJ1

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHIR3773 applid Unable to start interregion
communication because the
APPLID option has a blank value.

Explanation
Either the default value of applid (specified in the
APPLID system initialization parameter) must be used,
or a value which is not a null value must be used.
System action
The IRC session is not started.

User response
Correct the `applid` value.
Module: DFHSIJ1

XMEOUT parameters/Message inserts
1. `applid`

Destination
Console

`DFHIR3775` "`applid` Unable to start interregion communication because short on storage."

Explanations
Main storage is required to start the IRC session, but the storage is not available.

System action
The IRC session is not started.

User response
Wait until the storage condition has eased, then issue CEMT SET IRC OPEN command at the main terminal.
Module: DFHSIJ1

XMEOUT parameters/Message inserts
1. `applid`

Destination
Console

`DFHIR3775` "`applid` Unable to start interregion communication because another CICS system of the same name is active."

Explanation
A CICS system is named by its `applid` value. If two CICS systems have the same `applid` value, the interregion communication SVC cannot distinguish between the systems.

Note:
This situation may arise if a previous interregion communication (IRC) session could not be stopped; see message DFHIR3760. In this case, the IRC SVC would consider that the new session conflicted with the old (unstoppable) session.

System action
The IRC session is not started.

User response
Use a different generic `applid` for each CICS system.
Module: DFHSIJ1

XMEOUT parameters/Message inserts
1. `applid`

Destination
Console

`DFHIR3777` "`applid` The interregion communication table is full"

Explanation
The interregion communication SVC's user table is full.

System action
The IRC session is not started.

User response
When there are fewer batch-sharing programs running, issue CEMT SET IRC OPEN at the main terminal.

A common cause of this error is that MAXGROUP is set too low in an XCF Sysplex environment. Check the value of MAXGROUP and, if necessary, raise it to suit your environment. For further information, See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHSIJ1

XMEOUT parameters/Message inserts
1. `applid`

Destination
Console
**Explanation**

There is insufficient key 0 storage for the IRC control blocks. Storage is required from the CICS region but from outside the CICS DSA.

**System action**

The IRC session is not started.

**User response**

Ensure that sufficient storage is available. See the Improving performance for further guidance on how to determine the CICS DSA size limits in relation to the REGION size.

**Module:**

DFHSIJ1

**XMEOUT parameters/Message inserts**

1. applid

---

**Destination**

Console

**DFHIR3780 applid Unable to start interregion communication.**

**Return code=X'reetcode', Reason code=X'rsncode'.**

**Explanation**

CICS attempted to establish itself as a user of the interregion communication (IRC) services, but the attempt failed.

**System action**

The IRC session is not started.

**User response**

The return code and reason code (if any) correspond to a number of possible errors. The four byte return code field displays the following information starting with the high order byte:

- One byte error qualifier (if any)
- One byte MVS return code (if any)
- Two byte IRC return code

See Interregion control blocks in the CICS Data Areas manual for a complete list of return codes and error qualifiers. (The names of all the return codes and error qualifiers start with IRERR and IERQ respectively.)

The return codes should be referenced from the documentation for the version of CICS that supplied the IRP program in use rather than the version of CICS that issued the message.

Check that the following requirements are satisfied:

- A copy of DFHIRP providing an adequate level of function is present in the link pack area (LPA).
- CICS has been defined as an operating system subsystem. The Installing CICS TS explains how to define CICS as a subsystem.
- The XCF couple data sets have been formatted with enough XCF groups and members per group to satisfy the requirements of your installation.
- The userid of the CICS job is authorized to log on to the CICS interregion program (DFHIRP) using the generic applid specified.
- The CICS region has a unique generic applid within the MVS sysplex.

---

**Module:**

DFHSIJ1

**XMEOUT parameters/Message inserts**

1. applid
The CICS DB2 attachment has **not** been initialized before the first start of IRC in a CICS system that is using **both** of the following:

- Multiregion operation (MRO) or CICS shared database, where any of the installed MRO or CICS shared database resource definitions specify ACCESSMETHOD(XM)
- The DB2 CICS attachment to run DB2 applications.

If the message is issued when all of these conditions have been met, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHSIJ1

**XMEOUT parameters/Message inserts**

1. applid
2. X'reetcode'
3. X'rsncode'

**Destination**
Console

**DFHIR3781**

```
applid Unable to start interregion communication because task CSNC cannot be attached.
```

**Explanation**

Definitions for CSNC or DFHCRNP have not been installed, or DFHCRNP is missing from the CICS program library.

**System action**

The IRC session is not started.

**User response**

Make CSNC or DFHCRNP available.

**Module:**
DFHSIJ1

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. transid
5. termid
6. xxxx

**Destination**
CSMT

**DFHIR3784**

```
applid A severe error (code X'code') has occurred in module DFHCRR. Connection conname (if non-blank) has been set out of service.
```

**Explanation**

An error has been detected in module DFHCRR. The code X'code' is the exception trace point id which uniquely identifies what the error is and where the error was detected.

**System action**

An exception entry is made in the trace table (X'code' in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

The connection conname (if any) being processed at the time of error is set out of service, to prevent the error from recurring repeatedly.
CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Find and fix the source of the error before setting the connection back in service.

Notify the system administrator. This failure indicates a serious error in CICS. If you have not requested termination in the dump table, you may want to terminate CICS. For further information about CICS exception trace entries, see the Troubleshooting and support.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHCRR

**XMEOUT parameters/Message inserts**

1. applid
2. X'code'
3. conname

**Destination**
Console

**Explanation**
CSNC is abnormally terminated.

**System action**
CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated. CICS also abends all tasks in other CICS regions (including CICS shared data base batch regions) that are currently communicating with this system.

**User response**

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Following this abend it is not possible to use IRC within this CICS system. CICS must be restarted before IRC can be used.

**Module:**
DFHCRNP

**XMEOUT parameters/Message inserts**

1. applid

**Destination**
Console

**Explanation**
The IRC module DFHIRP attempted to load DFHSCTE, but the module was not in the LPA.

**System action**
The interregion communication session is not started.

**User response**
Ensure that DFHSCTE is available.

**Module:**
DFHSIJ1

**XMEOUT parameters/Message inserts**

1. applid

**Destination**
Console

**Explanation**
CICS could not establish a link to system sysid, even though system sysid is available for communication.

The most common value of code X'retcode' returned by the interregion communication SVC is X'68'. This means that no connection to the requesting region has been defined in the target region.

Another possible value of code X'retcode' returned by the interregion communication SVC is X'138'. This means that although the requesting and the target region are both running in the same MVS image, and it is possible to connect via cross memory, the
requesting and the target regions belong to different XCF Groups.

The four byte return code field displays the following information starting with the high order byte:

- One byte error qualifier (if any)
- One byte MVS return code (if any)
- Two byte IRC return code

See Interregion control blocks in the CICS Data Areas manual for a complete list of return codes and error qualifiers. (The names of all the return codes and error qualifiers start with IRERR and IRERQ respectively.)

A possible reason for this message is that the applid of the system on which the message appears does not match the NETNAME on any of the system entries defined in system sysid.

This error may also occur when connections are being created dynamically. In this case, the mismatch is transient and will eventually be resolved when the connection creation process running on the remote CICS region completes.

**System action**

If the mismatch is transient, the connection is established.

If there is a definition error, the connection is not established. Any existing connections are not affected.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

If the mismatch is transient, a connection should be established. This can be verified by querying the connection status using CEMT.

If an applid or a NETNAME mismatch has occurred, correct the error and retry.

If an XCFGROUP mismatch has occurred, correct the error and retry.

If a mismatch is not the cause of the error, you may need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHCRNP

**DFHIR3789**

date time applid SEND/RECEIVE mismatch between definitions for this system and system sysid

**Explanation**

- The number of send sessions defined in this system's SESSIONS resource definition for system sysid does not equal the number of receive sessions defined in system sysid's SESSIONS resource definition for this system, or
- The number of receive sessions defined in this system's SESSIONS resource definition for system sysid does not equal the number of send sessions defined in system sysid's SESSIONS resource definition for this system.

**System action**

As many sessions as possible are established.

**User response**

Alter one or both SESSION resource definitions such that the number of SEND and RECEIVE sessions matches.

Note: Failure to adjust one or both SESSION definitions may results in loss of available sessions when transactions are terminated abnormally. This can cause tasks to be suspended in ALLOCATE indefinitely until the CONNECTION is set OUTSERV and then INSERV.

**Module:** DFHCRNP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. X’retcode’
5. X’rsncode’
6. sysid

**Destination**

CSMT
**DFHIR3790**  

*date time applid* Unable to connect to system *sysid* for security reasons

**Explanation**

The SECURITYNAME attribute in system *sysid*'s CONNECTION resource definition for this system contained a security name operand that did not match the real external security ID of this system, or the ID was unknown to IRC.

**System action**

The connection is not established.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Discuss with the system programmer responsible for system *sysid*.

**Module:**  
DFHCRNP

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *sysid*

**Destination**

CSMT

**DFHIR3791**  

*applid* Unable to start interregion communication because ISC=NO has been specified.

**Explanation**

IRC facilities are not available because ISC=NO has been specified.

**System action**

The interregion communication session is not started.

**User response**

Run with a value other than NO in the ISC operand of DFHSIT or system initialization overrides.

**Module:**  
DFHSIJ1

**XMEOUT parameters/Message inserts**

1. *applid*

**Destination**

Console

**DFHIR3793**  

*applid* Unable to start interregion communication because a severe error has occurred in the recovery manager.

**Explanation**

IRC facilities are not available because an internal request issued to recovery manager has failed.

**System action**

The interregion communication session is not started.

**User response**

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**  
DFHSIJ1

**XMEOUT parameters/Message inserts**

1. *applid*

**Destination**

Console

**DFHIR3794**  

*date time applid* Interregion usage of MVS CSA storage has reached *nnnn* bytes for this IPL

**Explanation**

The maximum number of MVS CSA bytes used so far in this IPL by the CICS interregion communication facility (for interregion buffers), is *nnnn*.

**System action**

Processing continues.

**User response**

None.

**Module:**  
DFHZCX

Chapter 2. CICS messages 953
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. nnnn

**Destination**

CSMT

**DFHIR3795** ABNORMAL TERMINATION - STATUS CODE DHxx

**Explanation**

The IMS high-level programming interface (HLPI) has found a condition caused by a programming error, or DL/I has returned a status code to HLPI that indicates an error. xx is the status code.

**System action**

The batch program abnormally terminates with abend code 3795.

**User response**

Correct the error and try again. See the IMS IMS messages and codes: DL/I status codes or the IMS messages and codes: Fast Path utility status and reason codes for an explanation of the IMS status code.

**Module:** DFHDRPG

**Destination**

Console

**DFHIR3796** date time applid Transaction tranid termid termid - A connected transaction sent issue abend with following message: xxxxxxx

**Explanation**

Transaction tranid was connected to a transaction in another CICS system via an MRO link. The other transaction sent an ISSUE-ABEND flow with a message.

**System action**

Processing continues.

**User response**

Examine the information in the included message to determine the circumstances and what action to take.

**Module:** DFHZIS1.

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. termid
6. xxxxxx

**Destination**

CSMT

**DFHIR3798** Applid IRC Not Started. Unable to load Interregion Communication Work Exit DFHIRW10.

**Explanation**

As part of interregion communication initialization, an attempt is made to establish an internal work exit mechanism. This attempt has failed.

The most likely reason for the failure is that the interregion communication work exit module, DFHIRW10, cannot be loaded. This module should appear in an APF authorized library in the STEPLIB concatenation for the CICS region, in the linklist, or in the LPA.

**System action**

The attempt to initiate the interregion communication facility (via the IRCSTRT DFHSIT or override option or via the CEMT SET IRC OPEN command) fails. CICS continues.

**User response**

Ensure that the interregion communication work exit module, DFHIRW10, is available to be loaded.

**Module:** DFHSIJ1

**XMEOUT parameters/Message inserts**

1. Applid
**Destination**

Console

DFHIR3799  
**applid** Unable to start interregion communication because DFHIRP services are down level.

**Explanation**

The version of DFHIRP being used is at a lower level than that of the caller wishing to make use of interregion communication.

**System action**

The interregion communication session is not started.

**DFHISnnnn messages**

DFHIS0001  
**applid** An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

**Explanation**

An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**DFHISnnnn messages**

DFHIS0001  
**applid** An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

**Explanation**

An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

If IRC is required, update the level of the DFHIRP module in the LPA such that it matches the level of the latest CICS version in use. If IRC is not required, run with system initialization override option IRCSTRT=NO.

**Module:**

DFHSIJ1, DFHDRPF

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console
**Explanation**

An error has been detected in module `modname`. The code `X'code'` is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

**System action**

An exception entry (code `X'code'` in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message `DFHME0116`, which contains the symptom string for this problem, is produced.

**User response**

This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module `modname` is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module `modname`, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHISAL, DFHISCO, DFHISDM, DFHISEM, DFHISFS, DFHISIC, DFHISIS, DFHISLQ, DFHISRE, DFHISRR, DFHISSR, DFHISTT, DFHISUE, DFHISUOW, DFHISXF, DFHISXM, DFHISZA

**Destination**

Console

**DFHIS0002** `applid` A severe error (code `X'code'`) has occurred in module `modname`.

**DFHIS0010** `applid` Unable to start IS domain because transaction CISC cannot be attached.

**Explanation**

The IS domain failed to attach the CISC transaction to do IPCONN autoconnect processing.

**System action**

CICS is not started.

**User response**

Use the trace to investigate the reason for the failure to attach the CISC transaction. A probable reason for the failure is that there is no installed definition for CISC. Resource definition group DFHISCIP should be included in one of the lists specified in the startup GRPLIST.

**Module:**

DFHISDM

**DFHIS0998** `date time applid` A transaction processing a request using IP Interconnectivity has abended with code `abcode`.

**Explanation**

A transaction processing a request using IP interconnectivity has abended with the specified abend code. This is because of an error in the user program named in the request, or because of an error in CICS. The abend processing has invoked IS domain to inform the client of the failure.

**System action**

If the original problem was in IS domain, the appropriate error actions will already have been taken. If the problem was not in IS domain, this message will be attached as Error Log Data to an IS7 that is sent to the client to abend the conversation.
User response

Use the messages and dumps from the transaction abend to determine the root cause of the problem.

Module:
DFHISIS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. abcode

Destination
CISO

DFHIS1000  
\textit{date time applid Invalid parameter list passed to IS domain module \textit{modname}.}

Explanation

A call was made to module \textit{modname} of the IP interconnectivity (IS) domain during the processing of a request but the parameter list was not valid. This is probably because of a storage overwrite or an internal error in the calling component.

System action

An exception trace is written by IS domain, a system dump is taken and the task in progress is abended if necessary. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Use the dump to determine the fault in the calling component.

Module:
DFHISCO, DFHISLQ, DFHISRR, DFHISEM, DFHISSR

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. modname

Destination
CISO

DFHIS1001  
\textit{date time applid Unexpected exception from domain call made by IS domain module \textit{modname}.}

Explanation

An unexpected exception was returned to a domain call made by module \textit{modname} of the IP interconnectivity (IS) domain.

System action

An exception trace is written by IS domain and a system dump is taken. The task in progress is abended if necessary. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Use the dump to determine the fault in the calling component.

Module:
DFHISCO, DFHISLQ, DFHISRR, DFHISEM, DFHISSR

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. modname

Destination
CISO

DFHIS1002  
\textit{date time applid Unable to acquire or release IPCONN \textit{ipconn}. IPCONN not found. Error code is (code X'errorcode').}

Explanation

A call was made to the IP interconnectivity (IS) domain to acquire or release IPCONN \textit{ipconn} but, when it attempted to locate the IPCONN, a NOT_FOUND exception was returned. This is probably because another task has deleted the IPCONN before the task attached to acquire or release the IPCONN was started. The errorcode X'errorcode' is the exception trace point ID that uniquely identifies what the error is and where the error was detected, for example:

- 0508 IPCONN not found by DFHISCO
- 1906 IPCONN not found by DFHISLQ
**System action**
An exception trace is written by IS domain and the task in progress is abended.

**User response**
Inspect the IS domain message log for concurrent activity on the IPCONN. Use CEDA or SPI commands to recreate the IPCONN. Ensure it is INSERVICE. Reissue SET IPCONN ACQUIRED if required.

**Module:**
DFHISCO, DFHISLQ

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. ipconn
5. X'errorcode'

**Destination**
CISO

DFHIS1003  
**date time applid Unable to {acquire / release} IPCONN ipconn. IPCONN state {INSERVICE / OUTSERVICE}, {RELEASED / OBTAINING / ACQUIRED / FREEING} is invalid.**

**Explanation**
An attempt was made to SET IPCONN(ipconn) ACQUIRED or RELEASED but by the time the call was made to module DFHISCO of the IP interconnectivity (IS) domain to action the state change, the IPCONN was not in a valid state. An IPCONN must be INSERVICE and RELEASED before it can be acquired. An IPCONN must be ACQUIRED or FREEING before it can be released. This is probably due to a race condition with another task that has been started to either acquire or release the IPCONN or set it out of service.

**System action**
An exception trace is written by IS domain and the task in progress continues processing.

**User response**
Inspect the IS domain message log for concurrent activity on the IPCONN. No action is required if the IPCONN is now in the correct state. If the IPCONN is not in the correct state, reissue the SET IPCONN ACQUIRED or RELEASED. If the IPCONN status is OBTAINING, it might be necessary to cancel a CISC or CISS transaction that is awaiting a response and thus preventing the IPCONN state change from completing.

**Module:**
DFHISCO

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. Value chosen from the following options:
   1 = acquire,
   3 = release
5. ipconn
6. Value chosen from the following options:
   1 = INSERVICE,
   2 = OUTSERVICE
7. Value chosen from the following options:
   1 = RELEASED,
   2 = OBTAINING,
   3 = ACQUIRED,
   4 = FREEING

**Destination**
CISO

DFHIS1004  
**date time applid Unable to acquire IPCONN ipconn. Associated TCPIPSERVICE tcpipservice not found.**

**Explanation**
A call was made to module DFHISCO of the IP interconnectivity (IS) domain to acquire IPCONN ipconn but TCPIPSERVICE tcpipservice referenced by the IPCONN could not be located. This is probably because the TCPIPSERVICE has not been installed or has been deleted. The TCPIPSERVICE must be installed and OPEN when an IPCONN is acquired.

**System action**
An exception trace is written by IS domain and the task in progress is abended.
**User response**
Inspect the IS and SO domain message logs for concurrent activity on the TCPIPSERVICE and IPCONN. Use CEDA or SPI commands and CEMT to reinstall and open the TCPIPSERVICE. Reissue SET IPCONN ACQUIRED if required.

**Module:**
DFHISCO

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. ipconn
5. tcpipservice

**Destination**
CISO

**DFHIS1005**
itive.time applid Unable to acquire IPCONN ipconn. Associated TCPIPSERVICE tcpipservice not open.

**Explanation**
A call was made to module DFHISCO of the IP interconnectivity (IS) domain to acquire IPCONN ipconn but TCPIPSERVICE tcpipservice referenced by the IPCONN was not in the correct state. The TCPIPSERVICE must be installed and OPEN when an IPCONN is acquired. This is probably because the TCPIPSERVICE has been closed by another task or never opened.

**System action**
An exception trace is written by IS domain and the task in progress is abended.

**User response**
Inspect the IS and SO domain message logs for concurrent activity on the TCPIPSERVICE and IPCONN. Use CEDA or SPI commands to SET the TCPIPSERVICE OPEN and reissue SET IPCONN ACQUIRED if required.

**Module:**
DFHISCO

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. ipconn

**Destination**
CISO

**DFHIS1007**
itive.time applid Unable to acquire IPCONN ipconn. Failure to open session to hostname, port portnumber.

**Explanation**
During processing of an acquire for IPCONN ipconn module DFHISCO of the IP interconnectivity (IS) domain failed to open a Web session with host hostname on port portnumber. This is probably because there is no TCPIPSERVICE in a partner CICS open on port portnumber at host hostname.

It might also be because the HOST is specified either as an explicit IPv6 address or a host name that will
resolve to an IPv6 address, but the TCP/IP stack being used does not support IPv6.

For IP interconnectivity to be successful when using IPv6 addresses, the TCP/IP stack for both the local and remote regions must support IPv6.

If this is a connection to an IPIC HA cluster then the failure may result from a mismatch in the security attributes in the local IPCONN and the remote TCPIPSERVICE.

System action
An exception trace is written by IS domain and the task in progress is abended.

User response
Check that the hostname and port are correct and ensure that there is a partner CICS active at the given host with a TCPIPSERVICE with protocol IPIC open on the given port. Reissue SET IPCONN ACQUIRED if required.

If there is still a problem and IPv6 addresses are being used, check that the TCP/IP stack supports IPv6. See the z/OS Communications Server IP Diagnosis Guide on using Netstat to find information about the stack. DFHISCO

For an IPIC HA client, check the SSL setting in the local IPCONN against that in one of the HA server regions' generic TCPIPSERVICE and correct if it does not match the server setting. All the server regions in an HA cluster must use the same generic TCPIPSERVICE settings.

Module:
XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. ipconn
5. hostname
6. portnumber

Destination
CISO
DFHIS1008 date time applid Unable to acquire IPCONN ipconn. Invalid HTTP response to capability exchange.

Explanation
During processing of an acquire for IPCONN ipconn module DFHISCO of the IP interconnectivity (IS) domain received an invalid response to its capability exchange request to the partner CICS; it contains either an unexpected HTTP media type or status code. A possible error cause is that the port specified in the IPCONN does not reference a TCPIPSERVICE in a partner CICS system whose protocol is defined as IPIC.

System action
An exception trace is written by IS domain and the task in progress is abended.

User response
If no resource definition errors can be identified, examine the response message in the exception trace and check the message log in the partner CICS system. Correct the problem and reissue SET IPCONN ACQUIRED.

Module:
DFHISCO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. ipconn

Destination
CISO
DFHIS1009 date time applid Unable to acquire IPCONN ipconn. Response to capability exchange timed out.

Explanation
During processing of an acquire for IPCONN ipconn the receive for a capability exchange response from the partner CICS, by module DFHISCO of the IP interconnectivity (IS) domain, timed out. A response to the capability exchange request was not received within the RTIMOUT value set in the profile for the transaction attached to handle the IPCONN acquire. This might be due to an error preventing the response being sent by the partner CICS or the RTIMOUT value may be too low for acquire processing to complete and the response to be received. This problem may occur in the system initiating the IPCONN acquire, from a CISC transaction instance, or in the partner
CICS, from an IPIC TCPIPSERVICE transaction, CISS by default. Note that the RTIMOUT for CISC needs to allow time for the partner to attach a transaction to establish a callback connection back to the initiating CICS system, and possibly to autoinstall an IPCONN, before sending its response. CISS, or its equivalent, may need to autoinstall an IPCONN and then needs to allow the partner time to attach a transaction to locate and update the initiating IPCONN before sending its response.

**System action**
An exception trace is written by IS domain and the task in progress is abended.

**User response**
Check the message log in the partner CICS system for errors that might have prevented the response being sent and correct any problem found. Adjust the transaction's RTIMOUT value if appropriate. Reissue SET IPCONN ACQUIRED.

**Module:**
DFHISCO

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. ipconn

**Destination**
CISO

**Explanation**
During processing of an acquire for IPCONN ipconn module DFHISCO of the IP interconnectivity (IS) domain detected an exception during validation of a response to its capability exchange request to the partner CICS. The errorcode X'errorcode' is the exception trace point ID that uniquely identifies what the error is and where the error was detected, for example:

- 0526 response header short
- 0527 response field type error
- 0528 response WB exception
- 0529 response media type error
- 0537 response bad number of sockets
- 0599 response version mismatch
- 2402 invalid cluster connect response

**System action**
An exception trace is written by IS domain and the task in progress is abended.

**User response**
Check the port number in the IPCONN refers to a CICS IPIC TCPIPSERVICE. Look at the response message in the exception trace and check the message log in the partner CICS system. Correct the resource definitions and reissue SET IPCONN ACQUIRED.

**Module:**
DFHISCO

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. ipconn
5. X'errorcode'

**Destination**
CISO

**Explanation**
During processing of an acquire for IPCONN ipconn module DFHISCO of the IP interconnectivity (IS) domain detected an exception during validation of a response to its capability exchange request to the partner CICS. The errorcode X'errorcode' is the exception trace point ID that uniquely identifies what the error is and where the error was detected, for example:

- 0526 response header short
- 0527 response field type error
- 0528 response WB exception
- 0529 response media type error
- 0537 response bad number of sockets
- 0599 response version mismatch
- 2402 invalid cluster connect response

**System action**
An exception trace is written by IS domain and the task in progress is abended.

**User response**
Check the port number in the IPCONN refers to a CICS IPIC TCPIPSERVICE. Look at the response message in the exception trace and check the message log in the partner CICS system. Correct the resource definitions and reissue SET IPCONN ACQUIRED.

**Module:**
DFHISCO

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. ipconn
5. X'errorcode'
Explanation

During processing of an acquire for IPCONN ipconn, module DFHISCO of the IP interconnectivity (IS) domain received an error response to its capability exchange request to the partner CICS. The capability exchange request will have been processed by DFHISCO initialize_connection in the partner system; the reason string corresponds to the error detected by that DFHISCO function in the partner system.

Exception response reasons:

**AUTOINSTALL_FAILED**
No IPCONN was found to match an incoming IPIC connection and capability exchange and the subsequent autoinstall attempt was disallowed or failed.

**INVALID_PARTNER_STATE**
A capability exchange request was received for an IPCONN whose state is invalid. The IPCONN must be in service and not already acquired.

**INVALID_IPCONN_STATE**
An ISCO ACQUIRE_CONNECTION has been issued for an IPCONN whose state is invalid. The IPCONN must be in service and released.

**IPCONN_NOT_FOUND**
An ISCO ACQUIRE_CONNECTION has been issued for an IPCONN which no longer exists.

**ISCE_ERROR**
The capability exchange request was determined to be invalid and rejected by the partner CICS.

**ISCE_INVALID_APPLID**
The server_applid, or its high level qualifier, in the capability exchange message does not match the partner CICS's local applid and high level qualifier. If this message is issued by a CICS region in which the associated IPCONN has the attribute HA(YES), the attempt to acquire the IPCONN may have failed because the server region is a previous release that does not support the use of IPCONN attribute HA(YES) for IPIC high availability. In this case the applid is invalid because it cannot be used for an IPIC cluster of server regions which includes a CICS region that does not support IPIC high availability.

**ISCE_TIMED_OUT**
The TCPIPSERVICE transaction (CISS by default) has been attached to initialize a connection for an ipconn but it has not received its initial data, the capability exchange request, within the timeout period defined in its transaction profile.

**ISCE_BAD_RECOV**
A capability exchange request has been received that contains an unsupported isce_preferred_recovery value and no matching isce_supported_protocols flags are set to fallback to.

**ISCER_BAD_RESPONSE**
The callback capability exchange response contains a bad isco response and reason from the partner CICS.

**ISCER_ERROR**
The callback capability exchange response was determined to be invalid.

**ISCER_HTTP_ERROR**
The callback capability exchange response contained a bad http status code.

**ISCER_TIMED_OUT**
DFHISCO acquire_connection has not received a response to its capability exchange request within the timeout period specified.

**SESSION_OPEN_FAILED**
While acquiring an ipconn, DFHISCO has failed to open a web session to the partner host defined in the ipconn.

**SHUTDOWN**
A call has been made to DFHISCO to acquire or initialize an ipconn but CICS has been shutdown before the function completed.

**TCPIP_CLOSED**
DFHISCO acquire_connection has been called for an ipconn but tcpip is closed.

**TCPIPSERVICE_MISMATCH**
A capability exchange request was received for an IPCONN which is defined as using a different tcipservice from that used for the capability exchange.

**TCPIPSERVICE_NOT_FOUND**
Either acquire_connection has been called for an ipconn but the tcipservice named in the ipconn
is not installed or release_connection has been called for a tcipipservice that is no longer installed.

**TCPIPSERVICE_NOT_OPEN**

DFHISCO acquire_connection has been called for an ipconn but the tcipipservice named in the ipconn is not open.

**NO_IPCONN**

DFHISCO acquire or release_connection has been called for a tcipipservice that has no ipconn referencing it.

**ONE_WAY_IPCONN**

The caller requires a two-way connection but the partner IPCONN is defined as one-way.

**CAPEX_RACE**

Acquire has been initiated from both sides of an IPCONN connection simultaneously. The acquire from this system is abnormally terminated. The acquire from the partner system will proceed because the partner has an alphabetically lower fully qualified APPLID than this system.

**SEC_SOCKET_ERROR**

An error occurred while a secondary socket was being obtained.

**SECURITY_VIOLATION**

The security credentials of the caller are not acceptable to the partner system.

**CLIENT_SOCKET_ERROR**

A client socket error has occurred.

**INVALID_HA_TCPIPSERVICE**

During an attempt to acquire a connection for high availability, a TCPIPSERVICE was found to have an invalid value for an attribute. For more information refer to messages produced in the job output by the other CICS system.

**HA_RESOURCE_MISMATCH**

A resource definition in the server region was found to be incorrect during an attempt to acquire a connection for high availability. An example of this is an incorrect value of IPCONN attribute HA in the server region.

**NOT_IPIC_CLASSIFIED**

An error has been detected that is not an IPIC classified error.

**System action**

An exception trace is written by IS domain in both systems and the task in progress is abended.

**User response**

Examine the resource definitions, message log, and trace if necessary, in both CICS systems. Possible problem causes include:

- A mismatch between the definitions of the IPCONNs in the two CICS systems
- The IPCONN in the partner CICS is not in the correct state to process an incoming connection request
- A processing error in the partner CICS system
- A mismatch between a definition of an IPCONN in one system and a definition of a TCPIPSERVICE in its partner system

Correct the problem and reissue SET IPCONN ACQUIRED if necessary.

**Module:**

DFHISCO

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. ipconn
5. Value chosen from the following options:
   2=EXCEPTION,
   3=DISASTER,
   4=INVALID,
   5=KERNERROR,
   6=PURGED
6. Value chosen from the following options:
   1=AUTOINSTALL_FAILED,
   2=INVALID_IPCONN_STATE,
   3=INVALID_PARTNER_STATE,
   4=IPCONN_NOT_FOUND,
   5=ISCE_ERROR,
   6=ISCE_INVALID_APPLID,
   7=ISCE_TIMED_OUT,
   8=ISCE_BAD_RECOV,
   9=ISCER_BAD_RESPONSE,
   10=ISCER_ERROR,
   11=ISCER_HTTP_ERROR,
   12=ISCER_TIMED_OUT,
13=SESSION_OPEN_FAILED,
14=SHUTDOWN,
15=TCPIP_CLOSED,
16=TCPIPSERVICE_MISMATCH,
17=TCPIPSERVICE_NOT_FOUND,
18=TCPIPSERVICE_NOT_OPEN,
19=NO_IPCONN,
20=ONE_WAY_IPCONN,
21=CAPEX_RACE,
22=SECURITY_VIOLATION,
23=SEC_SOCKET_ERROR,
24=CLIENT_SOCKET_ERROR,
25=INVALID_HA_TCPIPSERVICE,
26=HA_RESOURCE_MISMATCH,
99=NOT_IPIC_CLASSIFIED

**Destination**

CISO

DFHIS1012 | date time applid Invalid capability exchange request received on TCPIPSERVICE tcpipservice. Error code is (code X'errorcode').

**Explanation**

During processing of a connection request for an IPIC web session on TCPIPSERVICE tcpipservice, module DFHISCO of the IP interconnectivity (IS) domain received an invalid capability exchange request from the partner CICS. This could be caused by a non-IPIC client opening a web session to a TCPIPSERVICE whose protocol is defined as IPIC. It could also be caused by a mismatch between the option specified for the SSL attribute in the TCPIPSERVICE and the SSL attribute for the IPCONN resource definition in the partner system. The errorcode X'errorcode' is the exception trace point ID that uniquely identifies what the error is and where the error was detected, for example:

- 0520 request no logname
- 0521 request header short
- 0522 request field type error
- 0523 request WB exception
- 0524 request media type error
- 0525 request conversation id error
- 0539 request number of sessions error

**System action**

An exception trace is written by IS domain, the TCPIPSERVICE task is abended and the session closed.

**User response**

Examine the CICS trace to determine the location of the client. Correct resource definitions as appropriate.

**Module:**

DFHISCO

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tcpipservice
5. X'errorcode'

**Destination**

CISO

DFHIS1013 | date time applid Invalid applid networkid.applid received in capability exchange request on TCPIPSERVICE tcpipservice from applid clntnetid.clntappid.

**Explanation**

During processing of a connection request for an IPIC web session on TCPIPSERVICE tcpipservice, module DFHISCO of the IP interconnectivity (IS) domain received a capability exchange request containing an invalid fully qualified applid. Either the networkid, networkid, applid, applid, or both are incorrect. The applid (isce_server_applid) in the capability exchange request created by the initiating system must match the applid of this, the target, CICS system. The network id qualifier (isce_server_networkid) must match the VTAM NETID, or UOWNETQL SIT parameter value in a system where VTAM=NO, in this, the target, CICS system. If the partner is another CICS TS, the applid and networkid values are taken from its IPCONN definition for this target CICS.

**System action**

An exception trace is written by IS domain, the TCPIPSERVICE task is abended and the session closed.
Correct the resource definition in the partner system.

**Module:**
DFHISCO

### XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. networkid
5. applid
6. tcpipservice
7. clntnetid
8. clntappid

**Destination**
CISO

**DFHIS1015**

```
**date** **time** **applid**
Unable to accept connection for IPCONN ipconn.
IPCONN client session state is invalid. Error code is (code X'errorcode').
```

### Explanation

A capability exchange request was received for IPCONN `ipconn` during initialization of a new IPIC connection by module DFHISCO of the IPIC over TCP/IP (IS) domain, but the IPCONN was not in a valid state to be acquired. An IPCONN must be INSERVICE and not FREEING, and its ipclient session must be RELEASED, before it can accept incoming initialize requests. This is probably because the IPCONN is out of service but might be due to a race condition with another task that has been started to free the IPCONN.

The `errorcode X'errorcode'` is the exception trace point ID that uniquely identifies what the error is and where the error was detected, for example:

- 0515 Invalid partner state
- 0539 Requested sessions error
- 0542 Partner is not in service
- 0543 Primary is not acquired
- 0544 No ISSS available
- 0545 No longer obtaining case 1
- 0546 No longer obtaining case 2

### System action

An exception trace is written by IS domain and the IPIC TCPIPSERVICE task attached to handle the incoming connection, CISS by default, is abended.

### User response

Examine the IS domain message log for concurrent activity on the IPCONN. Ensure the local IPCONN is INSERVICE, RELEASED and reissue SET IPCONN ACQUIRED.

**Module:**
DFHISCO
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. ipconn
5. X’errorcode’

**Destination**
CISO

**DFHIS1016**  
*date time applid Invalid recovery protocol received in capability exchange request on TCPIPSERVICE tcpipservice.*

**Explanation**
During processing of a connection request for an IPIC web session on TCPIPSERVICE tcpipservice, module DFHISCO of the IP interconnectivity (IS) domain received a capability exchange request containing an invalid, or unsupported, recovery protocol value.

**System action**
An exception trace is written by IS domain, the TCPIPSERVICE task is abended and the session closed.

**User response**
Examine CICS diagnostics to determine the source of the capability exchange and check that it has come from a supported partner.

**Module:**
DFHISCO

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tcpipservice

**Destination**
CISO

**DFHIS1017**  
*date time applid IS domain input queue error.*

**Explanation**
The IS domain error and message handler module, DFHISEM, has detected an unrecoverable error in its error queue. This is probably due to a CICS internal processing error or storage overwrite.

**System action**
An exception trace is written by IS domain, the IS domain long running error and message task, CISE, is abended and a system dump taken. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Inspect the trace, dump and IS domain message log to determine the cause of the error. CICS will have to be restarted to reinstate CICS IP interconnectivity processing.

**Module:**
DFHISRR

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid

**Destination**
CISO

**DFHIS1018**  
*date time applid IS domain error queue error.*

**Explanation**
The IS domain request/response receiver module, DFHISRR, has detected an unrecoverable error in its input queue. This is probably due to a CICS internal processing error or storage overwrite.

**System action**
An exception trace is written by IS domain and the IS domain long running receiver task, CISR, is abended and a system dump taken. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Inspect the trace, dump and IS domain message log to determine the cause of the error. CICS will have to be restarted to reinstate CICS IP interconnectivity processing.
to be restarted to reinstate CICS IP interconnectivity processing.

**Module:**
DFHISEM

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*

**Destination**
CISO

**Explanation**
The IS domain request/response receiver module, DFHISRR, has received an input message for IPCONN *ipconn* with an IPIC HTTP header that contains a conversation id for which there is no active ISSB. This is probably due to the late arrival of a request or response for a task which has timed out or been purged and relinquished its ISSB.

**System action**
An exception trace is written by IS domain, the IPCONN session is added to the IS domain error queue for processing by the long running error and message task, CISE.

**User response**
Inspect the trace, dump and IS domain message log to determine the cause of the error.

**Module:**
DFHISEM

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *convid*
5. *ipconn*

**Destination**
CISO

**Explanation**
The IS domain request/response receiver module, DFHISRR, has received an input message for IPCONN *ipconn* with an IPIC HTTP header that contains a conversation id for which there is no active ISSB. This is probably due to the late arrival of a request or response for a task which has timed out or been purged and relinquished its ISSB.

**System action**
An exception trace is written by IS domain, the IPCONN session is added to the IS domain error queue for processing by the long running error and message task, CISE.

**User response**
Inspect the trace, dump and IS domain message log to determine the cause of the error.

**DFHIS1020**
*date time applid* Acquire for IPCONN *ipconn* rejected; shutdown in progress.

**Explanation**
An acquire request for IPCONN *ipconn* was rejected because CICS shutdown is in progress.

**System action**
None.

**User response**
None.

**Module:**
DFHISCO

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *ipconn*

**Destination**
CISO

**Explanation**
The IS domain request/response receiver module, DFHISRR, has detected an error with the sesstype *web* session associated with IPCONN *ipconn*. The session may have been closed prematurely by the partner system or a network, heartbeat or socket error may have occurred.

**System action**
An exception trace is written by IS domain, the IPCONN session is added to the IS domain error queue for processing by the long running error and message task, CISE. All user and mirror tasks using the IPCONN are abended, either immediately or when they next try to communicate with the partner. The IPCONN is released.

**User response**
Inspect the trace, dump and CICS message log to determine the cause of the error.
Module: DFHISEM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sesstype
5. ipconn

Destination
CISO

DFHIS1022 date time applid Protocol error (code X'errorcode') occurred on sesstype IPIC session in IPCONN ipconn.

Explanation
The IS domain request/response receiver module, DFHISRR, has been unable to continue processing IPIC messages on the sesstype web session associated with IPCONN ipconn. The errorcode X'errorcode' is the exception trace point ID which uniquely identifies what the error is and where the error was detected, for example:
- 0507 An internal processing error occurred.
- 0611 The IPIC HTTP header is invalid.
- 0615 The IPCONN is not in the correct state to receive messages.

System action
An exception entry (code X'errorcode' in the message) is made in the trace table. The IPCONN session is added to the IS domain error queue for processing by the long running error and message task, CISE. All user and mirror tasks using the IPCONN are abended, either immediately or when they next try to communicate with the partner. An IS7 error response is sent for sessions in SEND state. The IPCONN is released.

User response
Inspect the trace, dump and CICS message log to determine the cause of the error.

Module: DFHISEM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'errorcode'
5. sesstype
6. ipconn

Destination
CISO

DFHIS1023 date time applid Conversation error (code X'errorcode') occurred on IPIC session name in IPCONN ipconn.

Explanation
The IS domain request/response receiver module, DFHISRR, has received data that it is unable to process for the conversation on session block (ISSB) name on IPCONN ipconn. The errorcode X'errorcode' is the exception trace point ID which uniquely identifies what the error is and where the error was detected, for example:
- 0614 The ISSB task is not waiting for data.
- 061C The mirror or user task resume failed unexpectedly.
- 061D No ISSB available for new task attach request.
- 061E The ISSB is not in RECEIVE state; data is not expected.
- 0629 Chain state in the header does not match ISSB chain state.
- 062A Chain element received before pacing message sent.
- 062D Invalid message sequence number.
- 062E Invalid chain sequence number.
- 062F IS header contains unrecognised IBM CCSID.
- 0630 Data received for a task which is no longer active.
- 0632 Data received when the previous task is still active and not in a correct state to allow receipt of data for a new task.
- 0633 Invalid data received when the previous task is still active; chain state in the header does not match ISQA chain state.
- 0634 Invalid data received when the previous task is still active; more chain elements received than allowed before pacing.
• 0635 Invalid chain sequence number in data received when the previous task is still active.
• 0636 Invalid message sequence number in data received when the previous task is still active.

System action
An exception entry (code X'errorcode' in the message) is made in the trace table. The IPCONN session is added to the IS domain error queue for processing by the long running error and message task, CISE. The user or mirror task using the ISSB in error is abended, either immediately or when it next tries to communicate with the partner. An IS7 error response is sent for sessions in SEND state.

User response
Inspect the trace, dump and CICS message log to determine the cause of the error.

Module:
DFHISEM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'errorcode'
5. name
6. ipconn

Destination
CISO

DFHIS1025   date  time  applid Failed to attach mirror transaction tranid on IPCONN ipconn. Error code is X'errorcode'.

Explanation
The IS domain request/response receiver module, DFHISRR, has received data for a new mirror transaction tranid on IPCONN ipconn that it is unable to process. The errorcode X'errorcode' is the exception trace point ID which uniquely identifies what the error is and where the error was detected, for example:
• 0618 The mirror transaction code was not found.
• 0619 The mirror transaction code was disabled.
• 061A The mirror transaction code was disabled for shutdown.
• 061B The mirror attach failed unexpectedly.

System action
An exception entry (code X'errorcode' in the message) is made in the trace table. An IS7 error response is sent to the caller by either the abnormal condition transaction, CSAC, or the IS domain long running error and message task, CISE.

User response
Ensure transaction definitions are correct and examine the CICS trace if necessary to determine the cause of the error.

Module:
DFHISEM, DFHISIS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. ipconn
6. X'errorcode'

Destination
CISO

DFHIS1026   date  time  applid Incorrect TCPIPSERVICE tcpipservice used for inbound connection to IPCONN ipconn, which is defined to use TCPIPSERVICE ipconn_tcpipservice.

Explanation
A capability exchange request was received from a partner system on TCPIPSERVICE tcpipservice, for IPCONN ipconn, during initialization of a new IPIC connection by module DFHISCO of the IP interconnectivity (IS) domain, but the IPCONN was defined as using a different tcpipservice, ipconn_tcpipservice. If the partner is another CICS system, this has occurred during processing of an IPCONN acquire from the partner CICS. The IPCONN acquire may have been issued explicitly in the partner CICS system, using CEMT or the CICS SPI. Alternatively, the IPCONN acquire may have been issued to establish a callback connection as a result of an IPCONN acquire issued locally, from this CICS.
System action

An exception trace is written by IS domain, an
error response is sent to the client and the IPIC
TCPIPSERVICE task attached to handle the incoming
connection, CISS by default, is abended.

User response

Either change the value of the TCPIPSERVICE
attribute in the IPCONN definition in this CICS system
to tcpipservice

Or change the client to connect to the port defined
in ipconn_tcpipservice. If the client is another CICS
system, this can be done by changing the PORT
attribute of the IPCONN in the client CICS.

Module:
DFHISCO

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tcpipservice
5. ipconn
6. ipconn_tcpipservice

Destination

CISO

DFHIS1027 date time applid Security violation
has been detected using IPCONN
ipconn and transaction id transid
by userid userid

Explanation

A request to attach a remote transaction failed due
to a security problem. The request used the named
IPCONN, transaction ID and userid. An attempt was
made to extract security fields from the attach request
and to pass them to the user domain and security
domain to signon the user, but this process failed.

System action

The request to attach the remote transaction is
rejected.

User response

Verify that the IPCONN in use has been defined with
the correct value of the USERAUTH attribute. Refer
to previous security messages that are written to TD
queue CSCS for further information and guidance. If
no previous messages were issued, examine the trace
to determine the reason for the failure. If security
parameters were passed on the attach request such
as userid or password, check whether they are valid.
If and ICRX was passed then check to see that it is
defined correctly.

Module:
DFHISXM

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. ipconn
5. transid
6. userid

Destination

CISO

DFHIS1028 date time applid A request has
been received over IPCONN ipconn
to use transaction id transid by
userid userid. This userid is not
authorized to use the transaction.

Explanation

The operator with user ID userid has invoked a
transaction tranid using IP connection ipconn for
which the operator is not authorized.

System action

CICS does not initialize the invoked transaction.
Message DFHIS1028 is sent to the connected system.
Other CICS processing continues.

User response

Refer to the userid in the preceding message,
DFHXS1111 on the CSCS TD queue, to determine the
identity of the user trying to invoke transaction tranid
and the reason for the attempt.

Module:
DFHISXM

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. ipconn
5. transid
6. userid

**Destination**

CISO

**DFHIS1029**

*date time applid* One-way IPCONN *ipconn* not valid for connection from applid *networkid.applid*. A callback is expected on host *ipaddr*, port *port*.

**Explanation**

During processing of a connection request for an IPIC web session, module DFHISCO of the IP interconnectivity (IS) domain received a capability exchange request whose fully qualified applid, *networkid.applid*, matched that of IPCONN *ipconn*, but the IPCONN is defined as 'one-way'; it has no port or send sessions defined for it, whereas the capability exchange requests a callback connection on host *ipaddr*, port *port*. IPCONNs used for CICS to CICS communication, using the CICS recovery protocol, must have both send and receive sessions. One-way IPCONNs are supported for JCA, which uses the XA recovery protocol.

**System action**

An exception trace is written by IS domain, the TCPIPSERVICE task is abended and the session closed.

**User response**

Add at least one send session, and host and port definitions, to the IPCONN and reinstall it before attempting to reacquire the connection.

**Module:**

DFHISCO

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. ipconn
5. networkid
6. applid
7. ipaddr
8. port

**Destination**

CISO

**DFHIS1030**

*date time applid* Recovery value X’ipconn_recovprot’ for IPCONN *ipconn* different from capability response recovery value X’iscer_recovprot’.

**Explanation**

The INITIALIZE_CONNECTION function of DFHISCO of the IP interconnectivity (IS) domain has been called to handle an acquire for IPCONN *ipconn* initiated by its partner. It has detected that the recovery protocol established for the local *ipconn*, X’ipconn_recovprot’, does not match the recovery protocol in the capability exchange response received from the partner, X’iscer_recovprot’.

**System action**

The capability exchange is rejected. The connection status of the IPCONN reverts to RELEASED.

**User response**

This is probably a CICS internal problem. Examine the CICS log for any associated error messages. Contact your IBM support center if you are unable to determine the cause of the problem.

**Module:**

DFHISCO

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. X’ipconn_recovprot’
5. ipconn
6. X’iscer_recovprot’

**Destination**

CISO

**DFHIS1031**

*date time applid* Incoming acquire for IPCONN *ipconn* rejected due to race with concurrent local acquire.

**Explanation**

The INITIALIZE_CONNECTION function of DFHISCO of the IP interconnectivity (IS) domain has been called to handle an acquire for IPCONN *ipconn* initiated by its
partner. It has detected that an acquire is in progress concurrently from this CICS system and rejected the incoming request from the partner. When such a race condition occurs, the acquire initiated by the system with the alphabetically lower of the two fully qualified APPLIDs will proceed.

**System action**
The locally initiated capability exchange continues normally.

**User response**
No action is required. If this condition occurs frequently, you could consider setting AUTOCONNECT(YES) on only one of the two IPCONN resource definitions if it is currently set on both.

**Module:**
DFHISCO

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. ipconn
5. networkid
6. applid

**Destination**
CISO

**Explanation**
A call was made to module DFHISCO of the IP interconnectivity (IS) domain to acquire IPCONN ipconn but the fully qualified IPCONN applid is the same as the fully qualified local applid, networkid.applid. It is invalid to make an IPCONN connection back to the local CICS system.

**System action**
An exception trace is written by IS domain and the CISC task performing the acquire is abended.

**User response**
Correct the applid in the IPCONN resource definition.

**Module:**
DFHISCO

**Destination**
CISO

**DFHIS1032 date time applid Unable to acquire IPCONN ipconn. Applid networkid.applid is the same as the local applid.**

**Explanation**
During release of IPCONN ipconn, an error occurred on the sesstype side when DFHISCO attempted to exchange a Bracket Initiation Stopped (BIS) request and response with the partner. The errorcode X'errorcode' is the exception trace point ID which uniquely identifies what the error is and where the error was detected, for example:
- 0531 The BIS response has a mismatched conversation ID.
- 0532 The BIS response is not of the expected length.
- 0533 The BIS response is in error.
- 0534 The BIS request is not of the expected length.
- 0535 The BIS request is in error.
- 0536 The IPCONN state is invalid for BIS.
- 2400 Transmission of the BIS request failed.
- 2401 Transmission of the BIS response failed.

**System action**
An exception entry (code X'errorcode' in the message) is made in the trace table. Any indoubt units of work (UOWs) are shunted pending a reacquire of the IPCONN. IPCONN release processing continues.

**User response**
Inspect the trace, dump, and CICS message log to determine the cause of the error. If the errorcode indicates a transmission failure, also inspect the system log for network problems relating to the IPCONN, and the trace, dump, and CICS message log of the partner CICS system.
Module:
DFHISCO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'errorcode'
5. sesstype
6. ipconn

Destination
CISO

DFHIS1034

date
time
applid
Conversation
convid no longer pending on
IPCONN ipconn.

Explanation
The IS domain request/response receiver module, DFHISRR, has received an input message for IPCONN ipconn with an IPIC HTTP header that contains a previous conversation ID for which there is no pending ISSB. The client state indicates that there is a unit of work (UOW) waiting for FORGET for conversation ID convid, but the server has no corresponding ISSB left pending on the IPCONN’s active chain. Alternatively, the client may have sent a message containing an invalid previous conversation ID.

System action
An exception trace is written by IS domain. DFHISRR allocates a system ISSB to add to the IS domain error queue for processing by the long running error and message task, CISE. CISE issues this message and, if the previous conversation ID is valid, sends an IS7 error response back to the client.

User response
Inspect the trace, dump and IS domain message log to determine the cause of the error.

Module:
DFHISEM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. convid
5. ipconn

Destination
CISO

DFHIS1035
date
time
applid
Unable to send \{a
START | a CANCEL | a transaction
routing | an enhanced routing | a
file control | a transient data | a
temporary storage} request using
IPCONN ipconn. Partner region
does not support this function over
IPIC.

Explanation
An attempt has been made to route an API request to a back level system that is unable to support this request over the IPIC connection.

System action
The system will try to route the request using a connection with the same name as the IPCONN, that uses another protocol. If the connection is not found or is not acquired then the request will fail with SYSIDERR.

User response
Limit the definition of IPIC connections to back level systems in order to prevent requests being made that cannot be supported by the remote region.

Module:
DFHISIS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=a START,
   2=a CANCEL,
   3=a transaction routing,
   4=an enhanced routing,
   5=a file control,
   6=a transient data,
   7=a temporary storage
5. ipconn
**Explanation**

The CISQ service task has been attached to process locally queued START requests for an IPCONN that was released at the time they were scheduled. This task has been unable to send the requests to the remote region, because when the connection became acquired, it was discovered that the remote region does not support the routing of START requests over IPIC.

**System action**

The CISQ task deletes the local queue before ending normally.

**User response**

Do not attempt to hold START NOCHECK requests in the local queue of an IPCONN that ultimately connects to a system that does not support the routing START requests over IPIC.

**Module:**

DFHISLQ

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. ipconn
5. data

**Destination**

CISO

**DFHIS1039**

Secondary socket request for networkid.applid has failed because a matching IPCONN could not be found.

**Explanation**

An attempt has been made to establish a secondary socket for an IPIC connection that cannot be matched to an installed IPCONN resource with the same networkid and applid. The request has been rejected.

**System action**

An exception trace is written by IS domain, the TCPIPSERVICE task CISS, attached to handle the incoming connection, is terminated and the session used to process the received IPIC message is closed. An error response is returned to the TCP/IP client that sent the original message.

**User response**

Examine the TCP/IP network configuration between the client and this CICS region. The use of TCP/IP connection balancing configuration such as TCP/IP Port Sharing requires the usage of a generic TCPIPSERVICE that specifies a specific TCPIPSERVICE along with a matching HA IPCONN in the client region. Update or remove the configuration and attempt to reacquire the IPIC connection.

**Module:**

DFHISCO
XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. networkid
5. applid

Destination
CISO

DFHIS1040 date time applid Unable to schedule transaction CRSR for IPCONN ipconn.

Explanation
An attempt was made to schedule transaction CRSR for IPCONN ipconn because a remote request to start a transaction failed. For more details see the error message on the terminal on which the request was requested to run.

System action
The request is deleted from the system.

User response
Examine the trace (if one is available) to determine why the attempt was rejected. Release and re-acquire the IPCONN to ensure ATI requests can still flow to the terminal.

Module:
DFHISXSM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. ipconn

Destination
CISO

DFHIS1041 date time applid Identity Propagation error has occurred while using IPCONN ipconn and transaction id transid.

Explanation
An attempt to send a request across an IPIC connection has failed because the partner region has asked for an ICRX Identity Propagation token, and the ICRX token assigned to the current task is larger than the maximum token size that the IPIC message protocol supports.

System action
The request is not sent to the remote system.

User response
ICRX tokens are not provided by CICS. An ICRX token is passed into a region in a message from another product, and the token is inherited by the task that is attached to process the message. The IPIC message protocol supports ICRX tokens that are smaller than 2000 bytes. You must review the size of ICRX tokens that are passed to CICS to ensure that they do not exceed 2000 bytes.

Module:
DFHISXSM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. ipconn
5. transid

Destination
CISO

DFHIS1042 date time applid Transaction tranid not defined.

Explanation
IS domain system transaction tranid is not defined. This transaction is required for IS domain to function correctly.

System action
An exception trace is written by IS domain and a system dump is taken. CICS initialization continues but the IS domain will not function correctly.

User response
This message normally occurs because new IS domain system transactions were added for a new release.
but their resource definitions have not been installed. Upgrade the CICS-supplied resource definitions using the UPGRADE function of the CSD utility program DFHCSUDP.

**Module:**
DFHISCO

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**
CISO

**DFHIS1043**

```
date time applid A request has been received from CICS system with applid networkid.applid to acquire a connection for high availability. Associated TCPIPSERVICE tcpipservice does not have a value for SPECIFTCPS.
```

**Explanation**
A message was received by module DFHISCO of the IP interconnectivity (IS) domain from a CICS system using networkid. applid to acquire a connection for high availability but TCPIPSERVICE tcpipservice does not have a valid value for attribute SPECIFTCPS.

**System action**
An exception trace is written by IS domain and the task in progress is abended.

**User response**
Correct the TCPIPSERVICE to have a valid value for attribute SPECIFTCPS so that a request by the CICS system to acquire the IPCONN can succeed.

**Module:**
DFHISCO

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. networkid
5. applid
6. tcpipservice

**Destination**
CISO

**DFHIS1044**

```
date time Unable to acquire IPCONN ipconn for a high availability connection due to a mismatch of resource definitions in CICS system with applid networkid.applid and this CICS system.
```

**Explanation**
A message was received by module DFHISCO of the IP interconnectivity (IS) domain from a CICS system using networkid. applid during processing to acquire IPCONN ipconn that indicates resource definitions in this CICS system and the other CICS system are not configured correctly for a high availability connection.

**System action**
An exception trace is written by IS domain and the task in progress is abended.

**User response**
Correct the TCPIPSERVICE and IPCONN resource definitions in both CICS systems to use IPIC high availability.
This error message can also be produced if there is an attempt to acquire an IPCONN for a high availability connection to a server region that is a release which does not support an IPIC high availability.

**Module:**
DFHISCO

**XMEOUT parameters/Message inserts**

1. date
2. time
3. ipconn
4. networkid
5. applid
6. tcpipservice

**Destination**
CISO

**DFHIS1045**

```
date time applid Unable to acquire IPCONN ipconn for a high availability connection to CICS system with applid networkid.applid.
```

**Explanation**
A request has been received from CICS system with applid networkid.applid to acquire a connection for high availability. Associated TCPIPSERVICE tcpipservice does not have a value for SPECIFTCPS.
Explanation

A failure occurred during an attempt by this CICS system to acquire IPCONN ipconn for a high availability connection to the CICS system with applid networkid. applid.

System action

Processing of the failure continues.

User response

For more information refer to the other messages issued by this CICS system and the CICS system with applid networkid. applid.

Module:
DFHISCO

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. ipconn
5. networkid
6. applid

Destination

CISO

DFHIS1046 date time applid Non-HA CAPEX request received by generic TCPIPSERVICE tcpipservice from applid clntnetid.clntappid.

Explanation

During processing of a connection request for an IPIC web session on TCPIPSERVICE tcpipservice, CICS received a capability exchange request at the same time the connection was being closed.

System action

An exception trace is written by IS domain, indicating the connection has been unexpectedly closed. The capability exchange will fail and the IPCONN is not acquired.

User response

Investigate why the client has closed the connection.

Module:
DFHISCO

XMEOUT parameters/Message inserts

1. date
2. time
3. `applid`
4. `ipconn`
5. `applid`

**Destination**

CISO

DFHIS1050  

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th><code>applid</code></th>
<th><code>ipconn</code></th>
</tr>
</thead>
</table>

**Explanation**

A CIS1 task cannot receive a heartbeat response from a connected CICS system using an IPIC connection. A heartbeat response timeout exception is returned and the current IPCONN is released, all outstanding tasks using the IPCONN are shunted or stopped.

**System action**

An exception trace is written by the IS domain and the CIS1 task is stopped.

**User response**

Use the CICS system log to look for additional DFHIS messages and also look for messages in the remote system to identify the cause of the IPIC connection failure.

**Module:**

DFHISPH

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `ipconn`

**Destination**

CISO

DFHIS1051  

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th><code>applid</code></th>
<th><code>ipconn</code></th>
</tr>
</thead>
</table>

**Explanation:**

The module DFHISPRP cannot find acquired IPIC connection in a CICS system. An IPCON NOT_FOUND exception is returned. This exception is probably because the IPCONN has been released or discarded in a period of time.

**System action:**

An exception trace is written by IS domain.

---

**Module:**

DFHISPRP

**Destination**

CIS1

DFHIS1052  

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th><code>applid</code></th>
<th><code>ipconn</code></th>
</tr>
</thead>
</table>

**Explanation**

A CIS1 task failed to allocate a session from an IPIC connection in a CICS system. A SESSION ERROR exception is returned. This is typically because the IPIC connection is busy and there is no session available for the heartbeat function.

**System action**

An exception trace is written by the IS domain, and the CIS1 task is stopped.

**User response**

Examine the IPIC connection to determine if it is busy and consider if the IPCONN requires more send sessions assigned to it.

**Module:**

DFHISPH

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `ipconn`

**Destination**

CISO

DFHIS1053I  

<table>
<thead>
<tr>
<th><code>applid</code></th>
<th><code>ipconn</code></th>
</tr>
</thead>
</table>

**Explanation:**

The ciphers list that was specified on IPCONN `ipconn` was valid when the resource was installed, but invalid when CICS restarted.
System action
The IPCONN is not restored from the catalog.

User response
Investigate why the ciphers list has become invalid and replace it with a valid ciphers list. Then reinstall IPCONN ipconn manually.

Module:
DFHISDM

XMEOUT parameters/Message inserts
1. applid
2. ipconn

Destination
Console

DFHIS1054A applid IPCONN ipconn was not restored because certificate certificate {is expired | is not yet current | does not have a private key | is not trusted | is not found}

Explanation
IPCONN ipconn was valid when the resource was installed, but invalid when CICS restarted because the certificate is unusable. An explanatory phrase in the message describes why:

is expired
The date and time at which the certificate is no longer valid has already passed.

is not yet current
The date and time at which the certificate is to become active has not yet been reached.

does not have a private key
The specified certificate does not have a private key. SSL with client authentication is only possible if you possess the private key associated with the certificate.

This error may occur if the user does not have access to the private key due to a lack of authority to access IRR.DIGTCERT.GENCERT.

is not trusted
The certificate has been given the NOTRUST attribute by the security administrator. This indicates that the certificate is not to be used.

is not found
The certificate is not found.

System action
The IPCONN is not restored from the catalog.

User response
Replace the certificate in the keyring with one that is usable, or specify a different certificate.

For a message insert of 'does not have a private key' check the system log for RACF messages that indicate a lack of authority to access IRR.DIGTCERT.GENCERT.

Module:
DFHISDM

XMEOUT parameters/Message inserts
1. applid
2. ipconn
3. certificate
4. Value chosen from the following options:
   1=is expired,
   2=is not yet current,
   3=does not have a private key,
   4=is not trusted,
   5=is not found

Destination
Console

DFHIS1055A applid IPCONN ipconn was not restored because the KEYRING has no default certificate.

Explanation
The IPCONN ipconn was valid when the resource was installed, but invalid when CICS restarted. This message is issued because the IPCONN has no certificate label specified in the CERTIFICATE attribute, and no default certificate exists in the keyring for this CICS system.

System action
The IPCONN is not restored from the catalog.
User response
Either specify a valid certificate label in the CERTIFICATE attribute for the IPCONN or designate one of the certificates in the keyring as a default.

Module:
DFHISDM

XMEOUT parameters/Message inserts
1. applid
2. ipconn

Destination
Console

DFHIS2000  

date time applid Server web session sessindex with applid applid on host hostname(resolved), port portnumber acquired for IPCONN ipconn.

Explanation
Web session sessindex on IPCONN ipconn was acquired successfully and is ready for use by IP interconnectivity (IS) domain.

System action
When all send web sessions for the IPCONN have been acquired, the IPCONN state is changed to ACQUIRED.

User response
When all send web sessions for the IPCONN have been acquired, and the IPCONN is in ACQUIRED state, IPCONN sessions may be allocated for use by programs using IP interconnectivity.

Module:
DFHISCO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sessindex
5. applid
6. hostname
7. resolved
8. portnumber
9. ipconn

Destination
CISO

DFHIS2002  

date time applid Number of SEND sessions for IPCONN ipconn set to usable. Number requested req. Partner limit max.

Explanation
IPCONN ipconn was acquired successfully but the number of send sessions requested, the local IPCONN SENDCOUNT value req, is different from the number of receive sessions allowed, the partner IPCONN RECEIVECTOUNT value max.

System action
The maximum number of send sessions is set to the lower of the two values, usable. Storage is wasted in
the system with the higher value as sessions will be defined but never used.

**User response**

Update one or both of the IPCONNs so that the number of send sessions in one matches the number of receive sessions in the other.

**Module:** DFHISCO

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. ipconn
5. usable
6. req
7. max

**Destination**

CISO

**DFHIS2003**

*date* *time* *applid* Number of RECEIVE sessions for IPCONN *ipconn* set to usable. Number requested *req*. Limit *max*.

**Explanation**

IPCONN *ipconn* was initialized successfully but the number of send sessions requested by the partner, the partner IPCCONN SENDCOUNT value *req*, is different from the RECEIVECOUNT value *max* specified for the IPCONN defined, or autoinstalled, locally in this CICS system.

**System action**

The maximum number of receive sessions is set to the RECEIVECOUNT value, usable. If the system with the higher value is a CICS system, storage may be wasted in it for sessions that are defined but never be used.

**User response**

If the partner is a CICS system, update one or both of the IPCONNs so that the number of send sessions in one matches the number of receive sessions in the other. This message may be expected for connections from non-CICS partners that have non-configurable IPIC connections.

**Module:** DFHISCO

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. ipconn
5. usable
6. req
7. max

**Destination**

CISO

**DFHIS2006**

date time applid Port *ipconn_port* for IPCONN *ipconn* different from partner port *partner_port*.

**Explanation**

The INITIALIZE_CONNECTION function of DFHISCO of the IP interconnectivity (IS) domain has been called to handle an acquire for IPCONN *ipconn* initiated by its partner. It has detected that the port number defined for the local ipconn, *ipconn_port*, does not match the port number in the capability exchange received from the partner, *partner_port*. The partner port is that defined in the TCP/IP SERVICE associated with the partner’s IPCONN. This behaviour may be expected if TCP/IP address translation occurs between the CICS system and its partner or it may be the result of inconsistent CICS definitions.

**System action**

Processing continues using the port number from the local IPCONN; the partner port is ignored.

**User response**

Correct the port number definition in the local IPCONN or partner TCP/IP SERVICE if the definitions are inconsistent.

**Module:** DFHISCO

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. ipconn_port
5. ipconn  
6. partner_port

**Destination**

CISO

**DFHIS2008**  
*date time applid* Receipt of *msgtype* for task *taskno* timed out on IPCONN ipconn.

**Explanation**

During processing of an IP interconnectivity request, a WB domain read on behalf of task *taskno* for a *msgtype* message timed out. The task was using a session on IPCONN ipconn. This condition occurs when IS domain has been notified that data is available on the web session but insufficient data arrives within the task's *rtimout* period to satisfy the read. This is probably caused by a network error.

**System action**

The task is abnormally terminated.

**User response**

Inspect the CICS and system logs for network problems relating to the IPCONN. Changing the *rtimout* value is unlikely to resolve the problem as a partial message has already been received within the *rtimout* period.

**Module:**  
DFHISSR

**XMEOUT parameters/Message inserts**

1. *date*  
2. *time*  
3. *applid*  
4. *msgtype*  
5. *taskno*  
6. *ipconn*

**Destination**

CISO

**DFHIS2009**  
*date time applid* Client web session *sessindex* in IPCONN ipconn from applid *applid* released.

**Explanation**

Inbound client web session *sessindex* in IPCONN ipconn was closed. This may be due to an operator initiated IPCONN release from either the local or the partner system, or it may be the result of an error.

**System action**

The other web sessions in the IPCONN will be drained and closed. Once the other IPCONN web sessions are closed, the IPCONN connection status will move to RELEASED. No further inbound requests can be accepted for this session until the IPCONN is SET ACQUIRED.

**User response**

If this is not due to normal release processing, inspect the CICS log for accompanying error messages.

**Module:**  
DFHISEM

**XMEOUT parameters/Message inserts**

1. *date*  
2. *time*  
3. *applid*  
4. *sessindex*  
5. *ipconn*  
6. *applid*

**Destination**

CISO

**DFHIS2010**  
*date time applid* Server web session *sessindex* in IPCONN ipconn with applid *applid* on host *hostname*, port *portnumber* released.

**Explanation**

The outbound server web session *sessindex* in IPCONN ipconn was closed. This may be due to an operator initiated IPCONN release from either the local or the partner system, or it may be the result of an error.

**System action**

The other web sessions in the IPCONN will be drained and closed. Once the other IPCONN web sessions are closed, the IPCONN connection status will move to
RELEASED. No further allocate_send requests can be accepted for this IPCONN until it is SET ACQUIRED.

**User response**
If this is not due to normal release processing, inspect the CICS log for accompanying error messages.

**Module:**
DFHISEM

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. sessindex
5. ipconn
6. applid
7. hostname
8. portnumber

**Destination**
CISO

DFHIS2011  
*date time applid [PURGE | FORCEPURGE | KILL] issued successfully for num_purged tasks using the sesstype session of IPCONN ipconn. There are currently num_active tasks active of which num_purging are currently being purged.*

**Explanation**
In response to a connection error or to the SPI command SET IPCONN, the IS domain has purged num_purged tasks that were using a sesstype session on IPCONN ipconn and, if the connection is still available for use, has sent an IS purge command message to the conversation partner of each task that it has successfully purged.

There were num_active sesstype sessions associated for the IPCONN of which num_purging are now being purged specifically by this operation. In total, there were found to be num_purged tasks using this session type that were being purged at that time: some that might have been purged because they had themselves detected an error with the connection.

**System action**
Those tasks that are waiting for a message to arrive over the connection are resumed and abended. An attempt is made to abend any other tasks that are using this connection.

If an SPI command was issued to perform the purge, then those IPCONN sessions belonging to tasks that were successfully purged can now be allocated by new tasks.

**User response**
If a normal PURGE was issued and the message shows that the number of active tasks was greater than the number being purged, some tasks might persist because they are purge protected. It might be necessary to issue a FORCEPURGE to remove them.

KILL can only be used after a FORCEPURGE has been attempted.

**Module:**
DFHISEM

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=PURGE,
   2=FORCEPURGE,
   3=KILL
5. num_purged
6. sesstype
7. ipconn
8. num_active
9. num_purging

**Destination**
CISO

DFHIS2012  
*date time applid The connection status in IPCONN ipconn from applid applid is changed from fromconnstats to toconnstats reason*

**Explanation**
The connection status in IPCONN ipconn from applid applid is changed from fromconnstats to toconnstats reason.
System action
A trace is written by IS domain and the task in progress continues processing.

User response
Use CEMT to inquire on the IPCONN status.
Inspect the IS domain message log for concurrent activity on the IPCONN.
If the IPCONN status is OBTAINING, it may be necessary to cancel a CISC or CISS transaction that is awaiting a response and thus preventing the IPCONN state change from completing.
Ensure the IPCONN is in the correct state and reissue the SET IPCONN ACQUIRED or RELEASED.

Module: DFHISEM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. ipconn
5. applid
6. specificapplid
7. hostname
8. resolved
9. portnumber

Destination
CISO

DFHIS2013 date time applid Unable to acquire IPCONN ipconn due to a security violation

Explanation
An attempt to acquire the named IPCONN failed due to a security problem. During an attempt to establish IP interconnectivity, the security credentials of the partner system were not found to be valid to allow communication.

System action
The request to acquire the IPCONN fails.

User response
Verify that the security attributes of the named IPCONN or the TCPIPSERVICE to which the IPCONN refers are correct. If a certificate has been passed by the partner system, verify that it is correctly defined to the external security manager so that it is associated with a valid userid. There may be a previous security message written to TD queue CSCS for further information and guidance. If no previous messages were issued, examine the trace to determine the reason for the failure.

Module: DFHISCO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. ipconn

Destination
CISO and Terminal End User

DFHIS2300  date time applid CICS IP connection heart beat initiated.

Explanation:
The CICS IPIC connection heartbeat function already be initialed successful.

System action:
Processing continues.

User response:
None required.

Module:
DFHISCO

Destination
CISO

DFHIS2301  date time applid Unable to echo heart beat from IPCONN ipconn

Explanation:
The module DFHISPRP cannot receive echo heartbeat message from connected CICS system over IPIC connection. Then an ECHO_TIME_OUT exception was returned and current IPCONN will be released, all tasks over the IPCONN will be shunt and terminated. This is probably because IPCONN broken by external impact like firewall disconnect unused IPIC connection in a period time.

System action:
An exception trace is written by IS domain and the task in progress is abended.

User response:
Inspect the IS domain message log for concurrency activities on the IPCONN. Use CEMT or SPI commands to ensure the IPCONN INSERVICE and ACQUIRE the IPCONN if required.

Module:
DFHISIC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. ipconn
5. networkid
6. applid
7. aupname
8. template
9. tcpipservice
10. hostname

Destination
CISO

DFHIS3001  date time applid IPCONN autoinstall rejected after a connection request was received on TCPIPSERVICE tcpipservice from host hostname because the TCPIPSERVICE has URM(NO).

Explanation
A connect flow arriving on TCPIPSERVICE tcpipservice from host hostname did not contain an applid that matched an installed IPCONN. No attempt was made...
to autoinstall an IPCONN because the TCPIPSERVICE URM value was NO.

System action
The connect flow is rejected.

User response
If autoinstall of the IPCONN is required, then change the URM attribute of the TCPIPSERVICE to the name of an appropriate autoinstall user program. The CICS-supplied sample autoinstall user programs are DFHISAIP (Assembler), DFHISCIP (COBOL), DFHISDIP (C) and DFHISPIP (PL/1).

Module: DFHISIC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tcpipsservice
5. hostname

Destination
CISO

DFHIS3002 date time applid IPCONN autoinstall rejected after a connection request was received on TCPIPSERVICE tcpipsservice from host hostname. Use of autoinstall user program aupname has caused error code code.

Explanation
A connect flow arriving on TCPIPSERVICE tcpipsservice from host hostname did not contain an applid that matched an installed IPCONN. An attempt was made to autoinstall an IPCONN for this connection, using autoinstall user program (AUP) aupname as specified in the URM attribute of the TCPIPSERVICE. The autoinstall failed with error code.

1 The AUP set a non-zero response code in field isaic_response, indicating that the autoinstall should not be allowed.

2 The link to the AUP failed because there is no installed definition for the program and it could not be autoinstalled.

3 The link to the AUP failed because the program was not available. This could be because the program is not enabled, or is defined as remote.

4 The AUP abended during its processing.

5 The link to the AUP failed with an AMODE error.

System action
An exception trace of the AUP commarea is made. The connect flow is rejected.

User response
If autoinstall of the IPCONN is required, then change the URM attribute of the TCPIPSERVICE to the name of an appropriate autoinstall user program. The CICS-supplied sample autoinstall user programs are DFHISAIP (Assembler), DFHISCIP (COBOL), DFHISDIP (C) and DFHISPIP (PL/1).

Module: DFHISIC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tcpipsservice
5. hostname
6. aupname
7. code

Destination
CISO

DFHIS3003 date time applid IPCONN autoinstall failed due to a severe error in another CICS component.

Explanation
An attempt to autoinstall an IPCONN failed due to a severe error in another component of CICS.
System action
The autoinstall is rejected. The failing component will have issued messages, trace and dump information relevant to the error.

User response
Proceed as directed by the diagnostics from the failing component.

Module:
DFHISIC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CISO

DFHIS3004 date time applid IPCONN autoinstall rejected after a connection request was received on TCPIPSERVICE tcpipservice from host hostname. The autoinstall user program aupname returned invalid value ipconn for use as the IPCONN name.

Explanation
A connect flow arriving on TCPIPSERVICE tcpipservice from host hostname did not contain an applid that matched an installed IPCONN. An attempt was made to autoinstall an IPCONN for this connection, using autoinstall user program (AUP) aupname as specified in the URM attribute of the TCPIPSERVICE. The autoinstall could not complete because the AUP returned an invalid value to be used as the IPCONN name in field isaic_ipconn. The special value -blanks- indicates that the field returned blanks (hexadecimal 40s).

System action
An exception trace of the AUP commarea is made. The connect flow is rejected.

User response
If autoinstall of the IPCONN is required, then change the AUP to return a valid IPCONN name. The CICS-supplied sample autoinstall user programs are DFHISAIP (Assembler), DFHISCIP (COBOL), DFHISDIP (C) and DFHISPIP (PL/1).

Module:
DFHISIC

XMEOUT parameters/Message inserts
1. date
time
3. applid
4. tcpipservice
5. hostname
6. aupname
7. ipconn

Destination
CISO

DFHIS3005 date time applid IPCONN autoinstall rejected after a connection request was received on TCPIPSERVICE tcpipservice from host hostname. The autoinstall user program aupname returned ipconn for use as the IPCONN name. This name is already in use.

Explanation
A connect flow arriving on TCPIPSERVICE tcpipservice from host hostname did not contain an applid that matched an installed IPCONN. An attempt was made to autoinstall an IPCONN for this connection, using autoinstall user program (AUP) aupname as specified in the URM attribute of the TCPIPSERVICE. The autoinstall could not complete because the AUP returned ipconn in field isaic_ipconn to be used as the IPCONN name. That name is already in use in the system.

System action
An exception trace of the AUP commarea is made. The connect flow is rejected.

User response
If autoinstall of the IPCONN is required, then change the AUP to return a unique IPCONN name. The CICS-supplied sample autoinstall user programs are DFHISAIP (Assembler), DFHISCIP (COBOL), DFHISDIP (C) and DFHISPIP (PL/1).

Module:
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tcpipservice
5. hostname
6. aupname
7. ipconn

**Destination**

**CISO**

**Module:** DFHISIC

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**Explanation**

A connect flow arriving on TCPIPSERVICE tcpipservice from host hostname did not contain an applid that matched an installed IPCONN. An attempt was made to autoinstall an IPCONN for this connection, using autoinstall user program aupname as specified in the URM attribute of the TCPIPSERVICE. The autoinstall could not complete because the AUP returned template in field isaic_template to be used as the name of the IPCONN template for the autoinstall. No IPCONN with that name is currently installed in this CICS.

**System action**

An exception trace of the AUP commarea is made. The connect flow is rejected.

**User response**

If autoinstall of the IPCONN is required, then change the AUP to return a different template name, leave it blank, or put the template IPCONN in service and retry. The CICS-supplied sample autoinstall user programs are DFHISAIP (Assembler), DFHISCIP (COBOL), DFHISDIP (C) and DFHISPIP (PL/1).

**Module:** DFHISIC
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tcpipservice
5. hostname
6. aupname
7. template

Destination

CISO

DFHIS3008  

**Explanation**

A connect flow arriving on TCPIPSERVICE tcpipservice from host hostname contained a blank applid or an applid that did not match an installed IPCONN. An attempt was made to autoinstall an IPCONN for this connection, using autoinstall user program (AUP) aupname as specified in the URM attribute of the TCPIPSERVICE. The autoinstall could not complete because the AUP set a value in isaic_applid that would cause the fully qualified applid of the IPCONN to be applid. This applid is already in use in the system.

**System action**

An exception trace of the AUP commarea is made. The connect flow is rejected.

**User response**

If autoinstall of the IPCONN is required, then change the AUP to return a unique applid. The CICS-supplied sample autoinstall user programs are DFHISAIP (Assembler), DFHISCIP (COBOL), DFHISDIP (C) and DFHISPIP (PL/1).

Module:

DFHISIC

XMEOUT parameters/Message inserts

1. date
2. time

DFHIS3009  

**Explanation**

A connect flow arriving on TCPIPSERVICE tcpipservice from host hostname contained a blank applid or an applid that did not match an installed IPCONN. An attempt was made to autoinstall an IPCONN for this connection, using autoinstall user program (AUP) aupname as specified in the URM attribute of the TCPIPSERVICE. The autoinstall could not complete because the AUP set a value of sysid in isaic_ipconn for the IPCONN name. This is the same as a currently installed CONNECTION resource definition and that CONNECTION has a NETNAME value that is different to the APPLID of the IPCONN (in isaic_applid) and so must represent a different system.

**System action**

An exception trace of the AUP commarea is made. The connect flow is rejected.

**User response**

Change the AUP to return a name consistent with installed CONNECTION definitions. The CICS-supplied sample autoinstall user programs are DFHISAIP (Assembler), DFHISCIP (COBOL), DFHISDIP (C) and DFHISPIP (PL/1).

Module:

DFHISIC

XMEOUT parameters/Message inserts

1. date
2. time
Destination

CISO

DFHIS3010  

autoinstall rejected after a connection request was received on TCPIPSERVICE tcpipservice from host hostname. The autoinstall user program aupname returned invalid value port for use as the port number.

Explanation

A connect flow arriving on TCPIPSERVICE tcpipservice from host hostname did not contain an applid that matched an installed IPCONN. An attempt was made to autoinstall an IPCONN for this connection, using autoinstall user program (AUP) aupname as specified in the URM attribute of the TCPIPSERVICE. The autoinstall could not complete because the AUP returned an invalid value to be used as the port number in field isaic_port.

The AUP can set any value in the range 1 to 65535, unless the valued passed in was -1, in which case it cannot be modified.

System action

An exception trace of the AUP commarea is made. The connect flow is rejected.

User response

If autoinstall of the IPCONN is required, change the AUP to return a valid port number. The CICS-supplied sample autoinstall user programs are DFHISAIP (Assembler), DFHISCIP (COBOL), DFHISDIP (C), and DFHISPIP (PL/1).

Module:

DFHISIC

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tcpipservice

Destination

CISO

DFHIS3030  

failed to invoke Autoinstall User Program aupname during discard of IPCONN ipconn.

Explanation

During discard or release of autoinstalled IPCONN ipconn, autoinstall user program (AUP) aupname was invoked with function delete. The link to the AUP failed.

System action

An exception trace of the AUP commarea is made. The deletion completes.

User response

Ensure that the AUP is available.

Module:

DFHISIC

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. aupname
5. ipconn

Destination

CISO

DFHIS3030  

CICS has installed or deleted IPCONN name.

Explanation

CICS has installed or deleted IPCONN name.

System action

CICS continues.

User response

None.
Module: DFHISIC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. name
5. Value chosen from the following options:
   1=installed,
   2=deleted

Destination
CISL

DFHIS3031 E  date time applid Transaction tranid failed to establish security for userid userid with IPCONN ipconn. SAF codes are (X'safresp','X'safreas'), ESM codes are (X'esmresp','X'esmreas').

Explanation
An attempt was made using the specified transaction identifier to establish security for the specified user ID and IPCONN but the attempt was rejected by the external security manager (ESM).

This occurred either when the IPCONN was installed or when a task was attached to use the IPCONN.

System action
According to the security attributes defined for the IPCONN either the IPCONN cannot be used for communication or use of the IPCONN continues but with security access set to that of the default user ID. There might be other security failure messages issued.

The external security manager (ESM) might also have issued messages which indicate the cause of the rejection.

User response
Ensure the resource definition for the specified IPCONN has correct security attributes.

Ask your security administrator to ensure there are correct external security manager (ESM) definitions to allow the user ID to be used with the IPCONN.

The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the z/OS Security Server RACROUTE Macro Reference.

There might be other messages produced by CICS or the external security manager (ESM) which provide more information. Refer to job output any for further diagnostic messages.

Module
DFHISCO, DFHISIC, DFHISIS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. userid
6. ipconn
7. X'safresp'
8. X'safreas'
9. X'esmresp'
10. X'esmreas'

DFHIS3032 E  date time applid Transaction tranid using terminal termid failed to establish security for userid userid with IPCONN ipconn. SAF codes are (X'safresp','X'safreas'), ESM codes are (X'esmresp','X'esmreas').

Explanation
The specified transaction using the specified terminal attempted to establish security for the user ID and IPCONN but the attempt was rejected by the external security manager (ESM).

This occurred when a transaction was being started to use the IPCONN.

System action
Security has not been established for the user ID. The attempt to start the transaction has failed.

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The external security manager (ESM) might also have issued messages which indicate the cause of the rejection.

User response
Ensure the resource definition for the specified IPCONN has correct security attributes.

Ask your security administrator to ensure there are correct external security manager (ESM) definitions to allow the user ID to be used with the IPCONN.

The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the z/OS Security Server RACROUTE Macro Reference.

There might be other messages produced by CICS or the external security manager (ESM) which provide more information. Refer to job output any for further diagnostic messages.

Module
DFHISIS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. termid
6. userid
7. ipconn
8. X'safresp'
9. X'safreas'
10. X'esmresp'

Destination
CISL

DFHIS3040 E  date time applid Deletion of IPCONN ccccccccc failed. Its AID-Chains are not empty.

Explanation
CICS did not delete IPCONN ccccc because the AID-chains for the remote system ccccc are not empty.

System action
CICS continues.

User response
Using the CEMT transaction, put the IPCONN into service to allow the outstanding AIDs to be processed. Then take the IPCONN out of service to allow deletion.

Module:
DFHISIC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. cccccccc

Destination
CSMT

DFHIS3041  date time applid nnnn AIDs {canceled / force-canceled} for IPCONN conname. nnnn AIDs remain.

Explanation
AIDs queuing for IPCONN conname have been canceled or force-canceled. This could be due to IPCONN reinstall, or as a result of a SPI or CEMT SET IPCONN(conname) CANCEL or FORCECANCEL command. Any AIDs remaining after this operation are also enumerated in this message. See the CICS System programming reference for more information.

System action
Requests represented as AIDs queuing for the IPCONN will have been purged from the system.

User response
None.

Module:
DFHISIC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. nnnn
5. Value chosen from the following options:
   1=canceled,
   2=force-canceled
6. conname
7. nnnn

**Destination**

**CSMT**

**DFHIS4000**

*date time applid* Conversation failure on IPCONN *ipconn*. Sense code (X’sense’). Message (msgtext).

**Explanation**

An error flow (IS7) was received on IPCONN *ipconn* when a normal request or response was expected. The sense code for the error was *sense*. The message associated with the error on the other system is *msgtext*.

**System action**

An exception trace of the IS7 and associated data is made. The receiving transaction will be abended.

**User response**

Determine what caused the other system to send the IS7 by using the diagnostics issued on that system.

**Module:**

DFHISZA

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. ipconn
5. X’sense’
6. msgtext

**Destination**

**CISO**

**DFHIS5000I** *APPLID* Recovery action requested for IP connection *name*.

**Explanation**

The XISQUE global user exit program has been invoked by CICS because of a potential problem with the IP connection. The global user exit has used return code UERCAKLL indicating that throughput on the connection is abnormally low and some exceptional action is required. The poor performance of the connection can be caused by:

- Poor response on the receiving end
- Increased load on the sending end

The condition may be intermittent. Message DFHIS5001 may follow indicating that the connection has recovered.

This message may also occur when the XISQUE global user exit is disabled but the connection has been at the QUEUELIMIT for MAXQTIME where both parameters are specified in the connection definition.

**System action**

CICS cancels all transactions which have outstanding queued requests to use the connection.

**User response**

Investigate the cause of the poor performance of the IP connection. Check the availability and condition of the connected system.

**Module:**

DFHISAL

**XMEOUT parameters/Message inserts**

1. APPLID
2. name

**Destination**

**Console**

**DFHIS5001I** *APPLID* IP connection *name* operating normally following recovery action.

**Explanation**

Message DFHIS5000 has been issued for this IP connection. The IP connection has now recovered and is operating normally.

**System action**

Processing continues.
User response
None

Module:
DFHISAL

XMEOUT parameters/Message inserts
1. APPLID
2. Name

Destination
Console

DFHIS5002  

**Explanation**
Requests that are queueing to use IPCONN ipconn have been cancelled. Some of the requests that were cancelled may have been system requests. This could be due to the reinstall of an IPCONN, as a result of a SPI or CEMT SET IPCONN(ipconn) FORCECANCEL command or as part of recovery from a previous error. Any queued requests that remain after this operation are also enumerated in this message.

**System action**
Requests that are queuing to use the IPCONN are purged from the system.

**User response**
None.

Module:
DFHISAL

DFHIS6002  

**Explanation**
An attempt to return a list of XIDs by the CISX transaction has failed. The XIDs are those associated with unresolved in-doubt units of work relating to XA clients of the region. The cause of the failure may be an internal domain call error or because the associated task has been purged by the system.
System action
An exception trace is written by IS domain, and by the domain call that failed. An IS7 response message is returned to the XA client that requested this operation.

User response
Resubmit the request to find the list of XIDs. If the problem persists you will need further assistance from IBM to resolve this problem.

Module:
DFHISRE

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CISO

DFHIS6001 date time applid A communications failure has occurred while running transaction CISX.

Explanation
An attempt to return a list of XIDs by the CISX transaction has failed. The XIDs are those associated with unresolved in-doubt units of work relating to XA clients of the region. The cause of the error is a communications failure that has prevented the list of XIDs from being returned to the caller.

System action
An exception trace is written by IS domain, and by the domain call that failed. The resources used by the CISX task are then released.

User response
Once communications between the XA client and CICS have been re-established the request can be resubmitted.

Module:
DFHISRE

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CISO

DFHIS6002 date time applid IP Interconnectivity Recovery. A process error has occurred while attempting to resynchronize a transaction with an XID of XID.

Explanation
An attempt to carry out a recovery or resynchronization attempt for the UOW, associated with the XID shown in the message, has failed. The UOW persists until a subsequent resynchronization attempt is successful. The cause of the failure may be an internal domain call error or because the associated task has been purged by the system.

System action
An exception trace is written by IS domain, and by the domain call that failed. An IS7 response message is returned to the XA client that requested this operation.

User response
Resubmit the request to make another attempt to complete this unit of work. If the problem persists you will need further assistance from IBM to resolve this problem.

Module:
DFHISRE

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. XID

Destination
CISO

DFHIS6003 date time applid IP Interconnectivity Recovery. A communications error has occurred. The unit of work uowid for XID XID has been committed.

Explanation
While carrying out a resynchronization attempt for a local unit of work, the CISX task was unable to send a
response to its XA client as communication had been lost.

**System action**
The local unit of work updates are committed. CICS writes an exception trace and then terminates the CISX task.

**User response**
Manual resynchronization of the updates on the client side may be needed in order for the XA client's task to be synchronized with the unit of work that CICS successfully committed.

**Module:** DFHISRE

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *uowid*
5. *XID*

**Destination**
CISO

DFHIS6004 *date time applid IP*
Interconnectivity Recovery. A communications error has occurred. The unit of work *uowid* for XID *XID* has been backed out.

**Explanation**
While carrying out a resynchronization attempt for a local unit of work, the CISX task was unable to send a response to its XA client as communication had been lost.

**System action**
The local unit of work updates are rolled back. CICS writes an exception trace and then terminates the CISX task.

**User response**
Manual resynchronization of the updates on the client side may be needed in order for the XA client's task to be synchronized with the unit of work that CICS successfully committed.

**Module:** DFHISRE

DFHIS6006 *date time applid IP*
Interconnectivity Recovery. Resynchronization has failed,
because of an error in the partner region, for the following local UOW
X'localuowid' IPCONN name name
transaction tranid task number trannum terminal termid user userid.

Explanation
Resynchronization of the unit of work cannot be completed following the re-acquiring of an IPCONN, because the partner region has encountered an error during the resynchronization attempt. This unit of work will be retained until it can be resolved.

System action
The unit of work remains shunted and the connection is placed into a PENDING state until this and any other units of work are resolved.

User response
Look for messages in the partner region identifying the cause of the error there. Once the cause of the error has been removed a further resynchronization attempt can be made by re-acquiring the IPCONN resource.

Module:
DFHISRE

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'localuowid'
5. name
6. tranid
7. trannum
8. termid
9. userid

Destination
CSMT
DFHIS6007

Interconnectivity Recovery.
Resynchronization not possible, because the corresponding unit of work could not be found by the partner region, or its outcome is currently indoubt, for the following local UOW X'localuowid' associated with IPCONN ipconn.

Explanation
Resynchronization of the unit of work cannot be completed following the re-acquiring of an IPCONN, because the partner region has encountered an error during the resynchronization attempt. This unit of work will be retained until it can be resolved manually or via a subsequent resynchronization attempt.

System action
The unit of work remains shunted and the connection is placed into a PENDING state until this and any other units of work are resolved.

User response
Examine the records from the partner system to determine the outcome of the corresponding unit of work there. If the outcome there is unknown then this may be because the remote unit of work is itself waiting for a resynchronization attempt with another region, and when that takes place the local unit of work will be completed. If instead, the remote unit of work no longer exists then force the local unit of work to complete using the SET UOW command. Once all such local units of work have been resolved the connection can be set to NOTPENDING to place it in service.

Module:
DFHISRE, DHISCU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'localuowid'
5. ipconn

Destination
CSMT
DFHIS6010
date time applid IP
Interconnectivity Recovery.
Resynchronization not possible for the following local UOW X'localuowid' IPCONN name name
transaction tranid task number trannum terminal termid user userid.
**Explanation**

Resynchronization of the unit of work cannot be completed following the re-acquiring of an IPCONN, because the partner region has carried out an initial start and lost the log data relating to the outcome of this unit of work. The IPCONN resource specifies XLNACTION(KEEP), which means that this unit of work will be retained until it can be resolved.

**System action**

The unit of work remains shunted and the connection is placed into a PENDING state until this and any other units of work are resolved.

**User response**

Force the local unit of work to complete using the SET UOW command. Once all such local units of work have been resolved the connection can be set to NOTPENDING to place it in service.

**DFHJCnnnn messages**

<table>
<thead>
<tr>
<th>DFHJC4522</th>
<th>DDNAME ddname HAD A PERMANENT I/O ERROR.</th>
</tr>
</thead>
</table>

**Explanation**

An unrecoverable I/O error occurred while the CICS journal print utility was processing the data set defined in the DD statement ddname.

**System action**

If the error occurred on an output data set, and multiple output copies were specified, processing continues with the other copies. Otherwise, the journal print utility terminates abnormally.

**User response**

If the error occurred on an output data set, and you wish to rerun, change the DD statement to refer to a different volume, and resubmit the job. Take the original volume offline for recovery, if possible.

If the error occurred on an input data set, to be able to recover you must have a backup copy of the defective volume. You can change the DD statement to refer to the backup volume, and rerun the job. If you have a backup copy of a defective disk, you can use IBM utilities to recover the disk by flagging the defective track and pointing to an alternate track.

**Module:**

DFHJUP

**Module:**

DFHJUP

**Destination**

SYSPRINT

**DFHJC4523**

PROCESSING IS BEING TERMINATED FOR THIS OPTION.

**Explanation**

This is an informatory message issued by the CICS journal print utility, when it completes processing for an OPTION card. The card referred to is the last OPTION card before this message on SYSPRINT.

**System action**

The journal print utility continues processing with the next option.

**User response**

If no other messages appear between the OPTION card and this message, the termination is normal. If other messages have been issued, check them to see if the termination is normal or abnormal. If abnormal termination has occurred, correct the errors notified in other message(s), and resubmit the job.

**Module:**

DFHJUP

**Destination**

SYSPRINT
**Explanation**
The CICS journal print utility detected an error in an input CONTROL card. The card is displayed on SYSPRINT on the line before this message.

**System action**
The journal print utility ignores the invalid card, and assumes standard defaults.

**User response**
If the output of the run is not what you want, correct the invalid card and resubmit the job.

**Module:**
DFHJUP

**Destination**
SYSPRINT

**DFHJC4525 INVALID CARD TYPE.**

**Explanation**
The CICS journal print utility read an input card that did not contain one of the following strings starting in column 1:

- 'CONTROL', 'OPTION', '*', or 'END'.

The invalid card is displayed on SYSPRINT in the line before this message.

**System action**
The journal print utility ignores the invalid card and continues processing.

**User response**
If the job fails or the output is not what you want, correct the error and resubmit the job.

**Module:**
DFHJUP

**Destination**
SYSPRINT

**DFHJC4526 INVALID OPTION CARD OR PRIOR ERROR.**

**Explanation**
The CICS journal print utility detected that, for one CONTROL card:

1. No OPTION cards were supplied OR
2. All the OPTION cards contained errors (notified in previous messages).
System action
The journal print utility does no processing for the CONTROL card with no OPTION cards.

User response
Supply correct OPTION cards for the options you want and resubmit the job.

Module: DFHJUP

Destination
SYSPRINT

DFHJC4529 UNABLE TO OPEN INPUT FILE.

Explanation
The CICS journal print utility was unable to open the input data set associated with the CONTROL card displayed before this message.

System action
The journal print utility continues processing with the next input card.

User response
Check the JCL. For a data set without a standard label, check that the data set control block (DCB) parameters are supplied. If you find a JCL error, correct it and resubmit the job.

Module: DFHJUP

Destination
SYSPRINT

DFHJC4530 ELEMENT LIST ERROR.

Explanation
The CICS journal print utility detected an error while processing an input file.

System action
The journal print utility terminates processing with the MVS user abend code 0185.

User response
This is usually caused by a previous error, for which a message has been issued. If any previous error messages were displayed, make the necessary corrections and resubmit the job.

Module: DFHJUP

Destination
SYSPRINT

DFHJC4531 END OF FILE ON INPUT.

Explanation
The CICS journal print utility has reached EOF on the current input file.

System action
The journal print utility completes processing for the CONTROL card preceding this message on SYSPRINT.

User response
None.

Module: DFHJUP

Destination
SYSPRINT

DFHJC4532 OPTION COMPLETE.

Explanation
The CICS journal print utility has completed processing for the OPTION card preceding this message on SYSPRINT.

System action
The journal print utility continues processing with the next OPTION card or, if there are no further options before the END card, completes processing for the current control card.

User response
None.

Module: DFHJUP

Destination
SYSPRINT

DFHJC4533 UNABLE TO OPEN OUTPUT FILE.
Explanation
The CICS journal print utility was unable to open the output data set associated with the last CONTROL card displayed on SYSPRINT before this message.

System action
The journal print utility terminates processing for this CONTROL card, and continues processing with the next CONTROL card.

User response
Check the JCL. For a data set without a standard label, check that the data set control block (DCB) parameters are supplied. If you find a JCL error, correct it and resubmit the job.

Module: DFHJUP

Destination
SYSPRINT

Explanation
During CICS journal print utility processing, an error occurred in building the element list.

System action
The journal print utility terminates processing for this element list, and terminates abnormally with the MVS user abend code, 0184.

User response
Correct the error in the user exit program and resubmit the job.

Module: DFHJUP

Destination
SYSPRINT

Explanation
An error has been detected in the user exit program. The code code is the value returned in register 15 from the exit program to DFHJUP. The journal print utility terminates without processing any remaining OPTION cards.

System action:

User response
Correct the error in the user exit program and resubmit the job.

Module: DFHJUP

Destination
SYSPRINT

DFHKCnnnnn messages

DFHKC0102 date time applid terminal userid tranid PFT entry for profname has been added.

Explanation
This is an audit log message indicating that profile entry profname has been added to the PFT using the INSTALL command. terminal is the netname or termid of the terminal at which the INSTALL command was entered. userid is the user identifier of the operator performing the INSTALL command. tranid is the transaction used to perform the INSTALL command.

User response
None.

Module: DFHKCQ

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal

System action
The system continues normally.
5. userid
6. tranid
7. profname

Destination
CSKL

DFHKC0104  date time applid terminal userid tranid PFT entry for profname has been deleted.

Explanation
This is an audit log message indicating that profile entry profname has been deleted from the CICS profile table (PFT) using the DISCARD command.

terminal is the netname or termid of the terminal at which the DISCARD command was entered.

userid is the user identifier of the operator performing the DISCARD command.

tranid is the transaction used to perform the DISCARD command.

System action
The system continues normally.

User response
None.

Module:
DFHKCQ

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. profname

Destination
CSKL

DFHKC0106  date time applid terminal userid tranid PFT entry for profname has been replaced.

Explanation
This is an audit log message indicating that profile entry profname has been replaced in the CICS profile table PFT using the INSTALL command.

terminal is the netname or termid of the terminal at which the INSTALL command was entered.

userid is the user identifier of the operator performing the INSTALL command.

tranid is the transaction used to perform the INSTALL command.

System action
The system continues normally.

User response
None.

Module:
DFHKCQ

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. profname

Destination
CSKL

DFHKC0301 applid Program DFHKCRP cannot be found.

Explanation
The transaction manager recovery program is not available. CICS cannot find DFHKCRP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System action
CICS terminates abnormally with a dump.

User response
To correct this error, place DFHKCRP in a partitioned data set in the DFHRPL DD statement.
Module:
DFHKCQ

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHKC0302  applid Transaction Manager restart failed. Reason - rc.

Explanation
During transaction manager initialization, CICS executes the following steps in the order in which they are listed:

1. Building the profile table (PFT) directory.
8. Purging profile definitions from the global catalog using the catalog domain.
10. Restoring profile definitions from the global catalog using the catalog domain.

The transaction manager restart has failed for reason rc, where rc indicates the job step that did not complete successfully. Subsequent steps have not been attempted.

System action
CICS terminates the task under which DFHKCRP is running with an AKCB abend code, and issues message DFHSI1521.

User response
Examine the trace in the CICS AKCB transaction dump to see the history of the task that DFHKCRP is running under for further information regarding the precise cause of the failure.

Module:
DFHKCRP

XMEOUT parameters/Message inserts
1. applid
2. rc

Destination
Console

DFHKC0308I  applid ERROR OCCURRED IN SRB MODE.

Explanation
An error such as a program check was detected by the operating system during the execution of a unit of work scheduled by means of a service request block (SRB). The SRB was scheduled, directly or indirectly, by CICS in order to issue a VTAM authorized path request.

A message could not be issued because the error was detected when running under an SRB.

Diagnostics: The error is handled by a functional recovery routine (FRR) in DFHKCSP. This FRR saves the system diagnostic work area (SDWA) if one was provided, and issues a CALLRTM to terminate the CICS TCB with user abend code 0308.

This, in turn, causes the ESTAE exit established by DFHKESTX to be taken, resulting in the storing of the CICS TCB status and provision of a dump as for abends occurring during execution under the CICS TCB.

The SDWA saved by DFHKCSP may be located in the dump by:

• Finding the module itself (look for characters 'DFHKCSP').
• Finding the save area (look for characters 'SRB SDWA SAVE AREA'); the SDWA follows this character string.

Analysis: The SDWA, located as described above, is a standard MVS SDWA. The principal contents of the SDWA are:

SDWAGRSV  General registers 0 through 15

SDWAEC1  Program status word (PSW) at the time of the interrupt.

In general, registers 12 and 13 will not address a TCA or the CSA.

The registers and PSW recorded in DFHKESTX represent the state of the CICS TCB when CICS was terminated by the FRR. Normally this information is not relevant to the cause of the failure, but may give clues to the environment in which the SRB was running.
System action

CICS is terminated with user abend code U0308. The system diagnostic work area (SDWA) presented at the time of error is copied into module DFHKCSP. DFHKCSP resides in protected storage and can be printed from an MVS region dump.

User response

Locate the SDWA, situated in DFHKCSP after the characters "SRB SDWA WORK AREA". This contains the PSW and registers at the time of the error.

If the address in SDWAEC1 is in CICS code, examine the code to determine the expected register contents at this point. If this does not suggest any obvious local problem, look for a pointer to the RPL associated with the SRB mode execution. This will indicate the location of the MVS save area.

If the address in SDWAEC1 is not in CICS code (that is in MVS), try using the contents of register 13 to trace back through the save areas to the one provided by CICS. The contents of this save area will show the point of call in CICS (in DFHZHPRX), and the arguments passed to the access method, in particular the address of the RPL (register 1). Failure in an access method may be due to an incorrect RPL. Therefore check the ACB address, entry point, and I/O area address.

Note:

When CICS is executing in SRB mode, it is not possible for the message to be issued. However, user abend code 308 is generated and should appear in message DFHSR0606.

Module:

DFHKCSP

Destination

Console

DFHKEennnn messages

| DFHKE0001 | applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname. |

Explanation

An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, OC1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in z/OS MVS System Codes.

Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:

DFHKEDD, DFHKEDS, DFHKEGD, DFHKETI
**XMEOUT parameters/Message inserts**

1. applid
2. aaa/bbbb
3. X’offset’
4. modname

**Destination**

Console

**DFHKE0002**  
applid A severe error (code X’code’) has occurred in module modname.

**Explanation**

An error has been detected in module modname. The code code is the exception trace point id which uniquely identifies what the error is and where the error was detected.

For further information about CICS exception trace entries, see the Troubleshooting and support.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System action**

An exception entry (code X’code’ in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message recurs or if you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHKEEDD, DFHKEGD, DFHKEIN

**XMEOUT parameters/Message inserts**

1. applid
2. X’code’
3. modname

**Destination**

Console

**DFHKE0003**  
applid Licence module DFHSIVT (version) does not match the CICS Release (version).

**Explanation:**

The module DFHSIVT found in your STEPLIB does not match the version of CICS.

**System action:**

CICS terminates.

**User response:**

Check your JCL. The activation module library (with the suffix SDFHLIC, SDFHVUE or SDFHDEV) which contains the module DFHSIVT is at the wrong release level. Update your JCL so that this dataset matches the other libraries.

**Module:**

DFHKEIN

**XMEOUT parameters/Message inserts**

1. applid
2. version
3. version

**Destination**

Console

**DFHKE0004**  
applid A possible loop has been detected at offset X’offset’ in module modname.

**Explanation**

A CICS function is taking more time to process than CICS expects. A possible loop has been detected in
module *modname* at offset X’*offset’*. This is the offset of the instruction which was executing at the time the error was detected.

During initialization, CICS may not have access to the user’s *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname* and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. However, you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHKEDD, DFHKEDS, DFHKEGD, DFHKETI

**XMEOUT parameters/Message inserts**

1. *applid*
2. X’*offset’*

**Destination**

Console

DFHKE0005  *applid* A hardware error has occurred (module *modname*, code X’*code’). The MVS store clock was found inoperative.

**Explanation**

A hardware error has occurred during the running of module *modname*. The MVS store clock facility is the timing mechanism for the operating system.

The code *code* is the exception trace point ID which uniquely identifies the place where the error was detected.

During initialization, CICS may not have access to the user’s *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

**System action**

An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

**User response**

If CICS is still running, it is necessary to decide whether to terminate CICS. This is probably a hardware error and you should first investigate the MVS store clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHKETI

**Destination**

Console

DFHKE0006  *applid* Insufficient storage to satisfy Getmain (code X’*code’) in module *modname*. MVS code *mvrcode*.
**Explanation**

An MVS GETMAIN was issued by module *modname* but there was insufficient storage available to satisfy the request.

The code X’*code’ is the exception trace point ID which uniquely identifies the place where the error was detected.

The code *mvscode* is the MVS GETMAIN return code.

During initialization, CICS may not have access to the user’s *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

**System action**

CICS will terminate with a system dump. An exception entry is made in the trace table (code *code* in the message).

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Inform the system programmer.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the overall size limit of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you will need to bring CICS down to do this. See the Configuring or the Improving performance for further information on CICS storage.

**Module:**

DFHKEIN

**XMEOUT parameters/Message inserts**

1. *applid*
2. X’*code’
3. *modname*
4. *mvscode*

**Destination**

Console

**DFHKE0007**

*applid* Licence module DFHSIVT not found.

**Explanation:**

The module DFHSIVT was not found in your STEPLIB.

**System action:**

CICS terminates.

**User response**

Check your JCL.

The activation module library (with the suffix SDFHLIC, SDFHVUE or SDFHDEV) which contains the module DFHSIVT, is missing.

Update your JCL to include this library in your STEPLIB.

**Module:**

DFHKEIN

**XMEOUT parameters/Message inserts**

1. *applid*

**Destination**

Console

**DFHKE0101**

*applid* DFHSIP IS NOT APF-AUTHORIZED. CICS WILL TERMINATE.

**Explanation**

Part of CICS initialization must be done in an APF-authorized state. The kernel has detected that DFHSIP is not APF-authorized.

During initialization, CICS may not have access to the user’s *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

**System action**

CICS will terminate. The CICS job step terminates with return code 12.

**User response**

All libraries concatenated in the STEPLIB concatenation should be APF-authorized, and DFHSIP should be link-edited with an authorization code of 1.

**Module:**

DFHKESIP

**Destination**

Console

**DFHKE0102**

*applid* UNSUCCESSFUL PRE-INITIALIZATION OF domain DOMAIN. CICS WILL TERMINATE.
**Explanation**

A domain has failed to pre-initialize and as a result the system will terminate.

During initialization, CICS may not have access to the user’s *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

Since this problem has occurred so early in CICS initialization, possible causes include a severe lack of storage or corruption of the local catalog.

**System action**

CICS terminates.

**User response**

Examine all earlier messages sent to the console to look for any obvious cause of the domain pre-initialization failure.

If you cannot find the cause of the failure from the messages, inform the system programmer. If a dump is taken, investigate this problem using the exception trace which is issued by the failing domain.

You may need further assistance to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHKETCB.

**Destination**

Console

**DFHKE0103  applid IDENTIFY FAILED IN MODULE modname. MVS CODE mvscn. CICS WILL TERMINATE.**

**Explanation**

The kernel has issued an MVS IDENTIFY which has failed.

The code *mvscn* is the MVS IDENTIFY return code.

During initialization, CICS may not have access to the user’s *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

**System action**

CICS terminates. The CICS job step terminates with return code 12.

**User response**

Inform the system programmer.

To resolve the problem, use the MVS IDENTIFY return code *mvscn* and the z/OS MVS Programming: Assembler Services Reference IAR-XCT manual to determine why the IDENTIFY failed.

**Module:** DFHKETCB.

**Destination**

Console

**DFHKE0104  applid CICS HAS BEEN SUPPLIED WITH INCORRECT SVC NUMBER svcno.**

**Explanation**

CICS has validated the SVC number *svcno*, but it does not correspond to the correct CICS Type 3 SVC for this release of CICS. CICS cannot function without the correct CICS SVC.

The SVC number *svcno* has been specified in the SIT, or as an override, by the CICSSVC= parameter.

During initialization, CICS may not have access to the user’s *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

**System action**

Control is returned to the parameter manager for interaction with the operator. Further action depends upon which PARMERR= parameter has been specified.

- If PARMERR=ABEND, CICS is terminated with a system dump.
- If PARMERR=IGNORE, CICS is terminated with a system dump.
- If PARMERR=INTERACT, the operator is prompted to enter another SVC number, or to bypass entry. If the operator bypasses entry, CICS is terminated with a system dump.

**User response**

The CICS Type 3 SVC is defined to MVS in SYS1.PARMLIB member IEASVCxx. SVC *svcno* must be defined as a Type 3 SVC with an entry point equal to the entry point name specified when the SVC module was installed into SYS1.LPALIB. Ensure that this is the case.

**Module:** DFHKEGD.
Destination

Console

DFHKE0105 applid CICS INITIALIZATION IS NOT SUPPORTED ON THIS LEVEL OF OPERATING SYSTEM.

Explanation
The kernel has detected that the release level of the operating system is earlier than the pre-requisite release level required to run CICS, or the required maintenance for the operating system has not been applied.

System action
CICS will terminate. The CICS job step terminates with return code 12.

User response
Refer to the CICS TS Program Directories and install the pre-requisite operating system release level or higher. Check also that any listed pre-requisite maintenance for the operating system has been applied.

Module:
DFHKESIP

Destination

Console

DFHKE0107 CICS DFHSTUP IS NOT SUPPORTED ON THIS LEVEL OF OPERATING SYSTEM.

Explanation
It has been detected that the release level of the operating system is earlier than the pre-requisite release level required to run CICS DFHSTUP, or the required maintenance for the operating system has not been applied.

System action
The CICS DFHSTUP job step terminates with return code 12.

User response
Refer to the CICS TS Program Directories and install the pre-requisite operating system release level or higher. Check also that any listed pre-requisite maintenance for the operating system has been applied.

Module:
DFHKESIP

Destination

Console

DFHKE0106 applid GETMAIN FAILED IN MODULE modname, R15=mvscode. CICS WILL TERMINATE.

Explanation
The kernel has issued an MVS GETMAIN which has failed.

The code mvscode is the MVS GETMAIN return code.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action
CICS terminates. The CICS job step terminates with abend code U1800.

User response
Inform the system programmer.

To resolve the problem, use the MVS GETMAIN return code mvscode and the z/OS MVS Programming: Assembler Services Reference IAR-XCT manual, (GC28-1154), to determine why the GETMAIN failed.

Module:

Chapter 2. CICS messages 1009
User response
Refer to the CICS TS Program Directories to see the pre-requisite hardware required.

Module: DFHKESIP

Destination
Console

DFHKE0109  CICS DFHSTUP IS NOT SUPPORTED ON THIS LEVEL OF HARDWARE.

Explanation
It has been detected that the release level of hardware is earlier than the pre-requisite required to run CICS DFHSTUP.

System action
The CICS DFHSTUP job step terminates with return code 12.

User response
Refer to the CICS TS Program Directories to see the pre-requisite hardware required.

Module: DFHKESIP

Destination
Console

DFHKE0201  applid ABOUT TO TAKE SDUMP.

Explanation
An error during pre-initialization or termination, possibly signalled by a previous message, has caused the kernel domain to take a dump, which will issue this message immediately before calling the MVS SDUMP facility.

The dump code dumpcode is the 8-character dump code 'KERNDUMP'.

The dumpid dumpid is the string '0/0000'.

During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action
When the dump is complete, message number DFHKE0202 is issued.

User response
Inform the system programmer. See the associated dump and error messages for further guidance.

Module: DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX

Destination
Console

DFHKE0202  applid SDUMP COMPLETE. (MODULE modname).

Explanation
This message is issued on successful completion of an SDUMP.

During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action
CICS will terminate.

User response
Print off the system dump if required. A previous MVS message will identify in which SYS1.DUMP data set this dump can be found.

Module: DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX

Destination
Console

DFHKE0208  applid SDUMP BUSY - CICS WILL RETRY IN FIVE SECONDS. (MODULE modname).

Explanation
At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This causes MVS to reject the new request. A nonzero value for the DURETRY parameter on the SIT means that CICS waits for five seconds before reissuing the SDUMP request.
System action
CICS issues an MVS STIMERM macro which causes CICS to stop for five seconds. The request is reissued when the delay interval has expired. CICS delays and retries every five seconds for a total time equal to the number of seconds specified on the DURETRY system initialization parameter.

User response
None.
Module: DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX
Destination Console
DFHKE0209 applid RETRYING SDUMP. (MODULE modname).

Explanation
At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This caused MVS to reject the new request. CICS has waited for five seconds (as indicated by message DFHKE0208) and is now reissuing the SDUMP request.

System action
CICS reissues the SDUMP request.

User response
None.
Module: DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX
Destination Console
DFHKE0210 applid SDUMP REQUEST FAILED. (MODULE modname) - reason.

Explanation
An MVS SDUMP request from CICS signalled by message DFHKE0201 has failed to complete successfully. The possible reasons reason for the failure are detailed below.

SDUMP RETURN CODE X'04' ONLY PARTIAL DUMP
The SYS1.DUMP data set to which the dump was written was not large enough to contain all of the dumped storage.

SDUMP RETURN CODE X'08' REASON X'02' SDUMP BUSY
At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This caused MVS to reject the new request.

If a nonzero value has been specified for the DURETRY SIT parameter, CICS will have retried the SDUMP request every five seconds for the specified period. This message is issued if SDUMP is still busy after the final retry.

SDUMP RETURN CODE X'08' REASON X'03' SUPPRESSED BY INSTALLATION.
The dump was suppressed by a request by the installation (for example: DUMP=NO at IPL; or CHNGDUMP SET,NODUMP).

SDUMP RETURN CODE X'08' REASON X'04' SUPPRESSED BY SLIP.
The dump was suppressed by a SLIP NODUMP command.

SDUMP RETURN CODE X'08' REASON X'05' NO DATA SET AVAILABLE
No data set is available for the SDUMP request.

SDUMP RETURN CODE X'08' REASON X'0B' SUPPRESSED BY DAE.
The dump was suppressed by the Dump Analysis and Elimination feature (DAE).

SDUMP RETURN CODE X'08' REASON X'3E' MAXSPACE EXCEEDED.
SVC dump is already using the maximum amount of virtual storage (as determined by the installation, using the MAXSPACE parameter on the CHNGDUMP command) to process other dumps.

SDUMP RETURN CODE X'08' REASON X'46' INSUFFICIENT DISK SPACE.
SVC dump stopped the dump because the System Resources Manager (SRM) detected a critical shortage of auxiliary storage.

SDUMP RETURN CODE X'nn' REASON X'mm'
MVS rejected the SDUMP request for some other reason than those listed above. X'nn' gives the hexadecimal SDUMP return code and X'mm' gives the hexadecimal SDUMP reason.
NOT AUTHORIZED IN CICS

SDUMP is not authorized for this CICS run.

INSUFFICIENT STORAGE

CICS issued an MVS GETMAIN for Subpool 253 storage during the processing of the SDUMP request. The GETMAIN was rejected by MVS.

STIMERM FAILED

In order to delay for five seconds before retrying SDUMP after an SDUMP busy condition, CICS issues an MVS STIMERM macro request. MVS has indicated that the STIMERM request has failed.

DFHDUSVC FESTAE FAILED

CICS issued an MVS FESTAE request from DFHDUSVC during the processing of the SDUMP request. The FESTAE has been rejected by MVS.

DFHDUSVC FUNCTION INVALID

CICS called DFHDUSVC during the processing of the SDUMP request. The function passed to DFHDUSVC was invalid.

During initialization, CICS does not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action

CICS proceeds as if the dump had been successful.

User response

The user response depends on the reason for the failure. For:

SDUMP RETURN CODE X'04' ONLY PARTIAL DUMP

Examine the reason code that explains why the partial dump was taken. This code is contained in the MVS message IEA911E. See the z/OS MVS System Messages, Volume 1 (ABA-AOM) for a description of this reason code.

SDUMP RETURN CODE X'08' REASON X'02' SDUMP BUSY

Cause the SDUMP to be reissued by increasing the DURETRY value on the SIT.

SDUMP RETURN CODE X'08' REASON X'03' SUPPRESSED BY INSTALLATION

No action is required if the dump was suppressed deliberately.

SDUMP RETURN CODE X'08' REASON X'04' SUPPRESSED BY SLIP.

Delete the relevant SLIP trap with the SLIP DEL command and then cause the SDUMP request to be reissued.

SDUMP RETURN CODE X'08' REASON X'05' NO DATA SET AVAILABLE

Clear a SYS1.DUMP data set and then cause the SDUMP request to be reissued.

SDUMP RETURN CODE X'08' REASON X'0B' SUPPRESSED BY DAE.

Stop the Dump Analysis and Elimination service by issuing the command SET DAE=xx, where xx is the suffix of an ADYSETxx member of SYS1.PARMLIB that contains DAE=STOP. See the z/OS MVS Initialization and Tuning Reference for information about ADYSETxx. When DAE is stopped, cause the SDUMP request to be reissued.

SDUMP RETURN CODE X'08' REASON X'3E' MAXSPACE EXCEEDED.

Increase the amount of virtual storage that SVC dump can use to capture data by issuing the command CHNGDUMP SET,DUMP,MAXSPACE=xxxM, where xxxM specifies the number of megabytes of storage to be used. Then cause the SDUMP request to be reissued.

SDUMP RETURN CODE X'08' REASON X'46' INSUFFICIENT DISK SPACE.

Increase the amount of disk space available for recording system dumps. Then cause the SDUMP request to be reissued.

SDUMP RETURN CODE X'nn' REASON X'mm'

No action is required if the dump was suppressed deliberately. If the dump failed because of an error in the MVS SDUMP routine, use MVS problem determination methods to fix the error and then cause the SDUMP request to be reissued. See the z/OS MVS Programming: Authorized Assembler Services Reference (Volume 1) for an explanation of the SDUMP return code X'nn' and reason X'mm'.

NOT AUTHORIZED IN CICS

This reason should not appear, because an SDUMP is unconditionally authorized during CICS initialization, and should be authorized throughout the CICS run. If you do get this reason, the CICS AFCB (Authorized Function Control Block) has probably been accidentally overwritten.
INSUFFICIENT STORAGE

Ensure sufficient storage is available to MVS for subpool 253 requests.

STIMERM FAILED

Use MVS problem determination methods to fix the STIMERM failure and then cause the SDUMP request to be reissued.

DFHDUSVC FESTAE FAILED

Use MVS problem determination methods to fix the FESTAE failure and then cause the SDUMP to be reissued. See the z/OS z/OS MVS Programming: Authorized Assembler Services Reference (Volume 1) for an explanation of the FESTAE macro.

DFHDUSVC FUNCTION INVALID

The CICS DAFPB (dump authorized function parameter block) has probably been accidentally overwritten.

Notify the system programmer. If CICS is still running, it will be necessary to decide whether to terminate CICS.

You may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

To resolve the problem, collect any dumps and any relevant messages and contact your IBM Support Center.

Further guidance on how to prepare information for IBM support is given in the Troubleshooting and support guide. If you are not familiar with this process, refer to the guide before contacting IBM support.

Module:
DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX

Destination
Console

DFHKE0301 applid Insufficient storage to satisfy Getmain in module modname. MVS code mvscode.

Explanation

The kernel (KE) domain has issued an MVS GETMAIN for kernel stack storage, but there was insufficient storage available to satisfy the request.

The code mvscode is the MVS GETMAIN return code. During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action

CICS terminates abnormally with a system dump. No exception entry is made in the trace table since a call to the trace (TR) domain would itself require kernel stack storage.

User response

Inform the system programmer.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book. Also look at the kernel domain section of the system dump to see how the kernel stack storage has been used up.

Try decreasing the size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. See the Configuring or Improving performance for further information on CICS storage.

Module:
**Explanation**

The kernel (KE) domain has issued an MVS FREEMAIN for kernel stack storage, but a bad return code was returned.

The code `mvscode` is the MVS FREEMAIN return code.

During initialization, CICS may not have access to the user's `applid` coded in the SIT. If CICS produces this message in these circumstances, it uses the default `applid` value DBDCCICS.

**System action**

CICS terminates abnormally with a system dump. No exception entry is made in the trace table since a call to the trace (TR) domain would itself require kernel linkage.

**User response**

Inform the system programmer.

You can get diagnostic information about the MVS return code by consulting the z/OS MVS System Codes manual.

**Module:** DFHKERRI

**Destination**

Console

**DFHKE0401** `applid` CICS REGISTER CALL TO AUTOMATIC RESTART MANAGER FAILED (RETURN CODES X'resp', X'reason').

**Explanation**

An attempt to invoke a REGISTER request against the MVS automatic restart manager (ARM) failed.

The codes `resp`, `reason` are the hexadecimal response and reason codes from ARM.

**System action**

A system dump is taken.

CICS continues, but cannot subsequently be restarted by ARM.

**User response**

It is necessary to decide whether to terminate CICS.

For problem diagnosis look up the return codes from the IXCARM macro in the z/OS MVS Programming: Sysplex Services Reference manual.

Further information about how to use ARM can also be found in z/OS MVS Setting up a Sysplex.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHKEAR

**Destination**

Console

**DFHKE0402** `applid` CICS DEREGISTER CALL TO AUTOMATIC RESTART MANAGER FAILED (RETURN CODES X'resp', X'reason').
Explanation
An attempt to invoke a DEREGISTER request against the MVS automatic restart manager (ARM) failed.
The codes resp, reason are the hexadecimal response and reason codes from ARM.

System action
An attempt to invoke a DEREGISTER request against the MVS automatic restart manager (ARM) failed.

User response
For problem diagnosis look up the return codes from the IXCARM macro in the z/OS MVS Programming: Sysplex Services Reference manual.
Further information about how to use ARM can also be found in the z/OS MVS Setting Up a Sysplex manual.

Module:
DFHKEAR

XMEOUT parameters/Message inserts
1. applid
2. X'resp'
3. X'reason'

Destination
Console

DFHKE0404 applid CICS READY call to automatic restart manager failed (return codes X'resp', X'reason').

Explanation
An attempt to invoke a READY request against the MVS automatic restart manager (ARM) failed.
The codes resp, reason are the hexadecimal response and reason codes from ARM.

System action
An attempt to invoke a READY request against the MVS automatic restart manager (ARM) failed.

User response
If CICS is still running, it is necessary to decide whether to terminate CICS.
For problem diagnosis look up the return codes from the IXCARM macro in the z/OS MVS Programming: Sysplex Services Reference manual.
Further information about how to use ARM can also be found in the z/OS MVS Setting Up a Sysplex manual.

Module:
DFHKEAR

XMEOUT parameters/Message inserts
1. applid
2. X'resp'
3. X'reason'

Destination
Console

DFHKE0403 applid CICS WAITPRED call to automatic restart manager failed (return codes X'resp', X'reason').

Explanation
An attempt to invoke a WAITPRED request against the MVS automatic restart manager (ARM) failed.
The codes resp, reason are the hexadecimal response and reason codes from ARM.

System action
An attempt to invoke a WAITPRED request against the MVS automatic restart manager (ARM) failed.

User response
If the request failed during startup, a dump is taken and CICS continues.
If the request failed during shutdown, an exception entry is made in the trace table, and a system dump is taken unless you have specifically suppressed dumps in the dump table. CICS continues to shut down unless you have specified in the dump table that CICS should terminate. The DEREGISTER failed so a subsequent failure of CICS or an IMMEDIATE shutdown may result in ARM restarting CICS.

User response
If the request failed during startup, a dump is taken and CICS continues.
If the request failed during shutdown, an exception entry is made in the trace table, and a system dump is taken unless you have specifically suppressed dumps in the dump table. CICS continues to shut down unless you have specified in the dump table that CICS should terminate. The DEREGISTER failed so a subsequent failure of CICS or an IMMEDIATE shutdown may result in ARM restarting CICS.

User response
If the request failed during startup, a dump is taken and CICS continues.
If the request failed during shutdown, an exception entry is made in the trace table, and a system dump is taken unless you have specifically suppressed dumps in the dump table. CICS continues to shut down unless you have specified in the dump table that CICS should terminate. The DEREGISTER failed so a subsequent failure of CICS or an IMMEDIATE shutdown may result in ARM restarting CICS.
CICS is ready for work and continue to wait until timed out.

**User response**

If CICS is still running, it is necessary to decide whether to terminate CICS.

For problem diagnosis look up the return codes from the IXCARM macro in the z/OS MVS Programming: Sysplex Services Reference manual. Further information about how to use ARM can also be found in the z/OS MVS Setting Up a Sysplex manual.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHKEAR

**XMEOUT parameters/Message inserts**

1. applid
2. X'resp'
3. X'reason'

**Destination**

Console

**DFHKE0405** applid CICS WAITPRED call to automatic restart manager timed out (return codes X'resp', X'reason').

**Explanation**

CICS is about to invoke a WAITPRED request against the automatic restart manager. This may result in a delay before CICS processing continues.

**System action**

CICS continues.

**User response**

None.

**Module:** DFHKEAR

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

**DFHKE0407** applid XRF IS INCOMPATIBLE WITH AUTOMATIC RESTART MANAGER. CICS IS TERMINATING.
Explanation
CICS has registered with the MVS automatic restart manager (ARM) after having been restarted but the restart JCL specifies XRF=YES. XRF is incompatible with ARM.

System action
CICS terminates.

User response
Ensure that the XRF=YES option in the restart JCL is correct.

Module: DFHKEAR

Destination
Console

DFHKE0408D applid PLEASE SPECIFY START TYPE, 'ASIS' OR 'AUTO'.

Explanation
An attempt to REGISTER with the MVS automatic restart manager (ARM) has failed when a cold or initial start has been specified in the SIT.

When the CICS region has been restarted with JCL that specifies START=COLD or START=INITIAL, CICS relies on ARM to determine whether to override the start type and change it to AUTO. As the REGISTER has failed, CICS cannot determine whether the region is being restarted by ARM, and so does not know whether to override the start type.

System action
CICS waits until the operator supplies the START type to be used by this region.

User response
If the region is being restarted by ARM, specify AUTO. If the startup type of COLD or INITIAL in the SIT should be preserved, specify ASIS.

See the previously issued message DFHKE0401 for guidance on dealing with the underlying REGISTER failure.

Module: DFHKEAR

Destination
Console

DFHKE0410 applid CICS REGISTER CALL TO AUTOMATIC RESTART MANAGER FAILED BECAUSE THE JOB TYPE IS INVALID.

Explanation
An attempt to invoke a REGISTER request against the MVS automatic restart manager (ARM) failed because the job type is invalid to ARM. CICS can only register with ARM if it is being run as a started task or a batch job.

System action
CICS continues, but cannot subsequently be restarted by ARM.

User response
None.

Module: DFHKEAR

Destination
Console

DFHKE0411 applid CICS REGISTER CALL TO AUTOMATIC RESTART MANAGER FAILED BECAUSE MAXIMUM NUMBER OF USERS WAS REACHED.

Explanation
An attempt to invoke a REGISTER request against the MVS automatic restart manager (ARM) failed because the maximum number of ARM users allowed for in the ARM couple data set has been reached. This response is never given by ARM if ARM is restarting CICS.

System action
CICS continues, but cannot subsequently be restarted by ARM.

User response
None.

Module: DFHKEAR

Destination
Console
DFHKE0412I applid CICS WAITPRED call to automatic restart manager has completed.

Explanation
A WAITPRED request against the MVS automatic restart manager (ARM) has completed.

Further information about how to use ARM can also be found in the z/OS MVS Setting Up a Sysplex manual.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

System action:

User response:

Module: DFHKEAR

Destination
Console

DFHKE0413 applid CICS REGISTER CALL FAILURE IN MODULE DFHKESVC (RETURN CODE X’resp’).

Explanation
An attempt to invoke a REGISTER request against the MVS automatic restart manager (ARM) failed in module DFHKESVC.

The code resp is the hexadecimal response from DFHKESVC and its meanings are:

• 08 - The requested function is not supported.
• 0C - The getmain for the dynamic storage failed.
• 10 - Unable to establish the recovery routine.
• 14 - The DFHAUTH CHECK failed.

System action
CICS continues, but cannot subsequently be restarted by ARM.

User response
It is necessary to decide whether to terminate CICS.

Further information about how to use ARM can also be found in z/OS MVS Setting up a Sysplex.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHKEAR

Destination
Console

DFHKE0414 BAD RETURN FROM MVS SERVICE CSRL16J.

Explanation
An attempt to invoke the MVS service CSRL16J (Load 16 and Jump) has returned to CICS with a non-zero return code. This service is called from the CICS Kernel 'Reset Address' function.

System action
CICS continues by deliberately executing a privileged instruction which causes a program exception with code 0C2 which leads to an ASRA abend. Register 4 has been loaded with the return code from the CSRL16J service.

User response
Inform the systems programmer.

Module: DFHKERET

Destination
Console

DFHKE0415I applid CICS IS BEING RESTARTED WITH PERSISTENT JCL AND XRF=NO. CICS WILL RESTART WITH TYPE=AUTO.

Explanation
An attempt to invoke a REGISTER request against the z/OS automatic restart manager (ARM) has succeeded. However, the system is being restarted with persistent JCL and without extended recovery facility (XRF). Any override for CICS start type from the JCL is ignored and forced to be AUTO.

Note that any CICS regions using DUMMY system logs will fail to restart with message DFHRM0401.

This is an informational message.
**System action**

Restart continues.

**User response**

None.

**Module:**

DFHKEAR

**Destination**

Console

DFHKE0500  applid MAXPROCUSER exceeded while executing 'service-routine'.

**Explanation**

The Kernel issued a call to the `service-routine` callable service, and received a response of EMVSINITIAL with a reason code of X'0012', indicating that the number of processes for the current CICS region userid has been exceeded.

**System action**

An error response is returned to the caller of this domain. Further error messages or abends may to issued by the caller of this domain.

**User response**

If this error occurs frequently, consider increasing the MAXPROCUSER value in the BPXPRMxx member of SYS1.PARMLIB.

**Module:**

DFHKETCB, DFHKEDS

**XMEOUT parameters/Message inserts**

1. applid
2. X'rvalue'
3. X'rcode'
4. X'rreason'
5. uss

**Destination**

Console

DFHKE0996  applid DFHKESTX DRIVEN FOR CANCEL WHILE PERFORMING RETRY. COMPLETION CODE CODE ON TCB TCB.

**Explanation**

MVS has issued a cancel abend against this TCB while CICS was attempting to locate the retry point for an earlier, retryable abend.

**System action**

This TCB will be terminated.

**User response**

None.

**Module:**

DFHKESTX
DFHKE0997  
**applid DFHKESTX DRIVEN FOR CLEANUP ON AN ESSENTIAL TCB WITH COMPLETION CODE CODE. UNABLE TO RECOVER.**

**Explanation**

MVS has made a call to the CICS ESTAE-type recovery routine DFHKESTX, for cleanup on an essential TCB. Recovery from this situation is not possible.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System action**

Module DFHKESTX produces a system dump, if one has not already been produced by DFHKESTX. Then CICS is abnormally terminated.

**User response**

The abend completion code is a four byte field. The first byte contains completion code flag bits, the next 12 bits contain the system completion code and the last 12 bits contain the user completion code.

Use this information to determine why the CICS ESTAE-type recovery routine was driven.

Look for any messages that may indicate the reason for the abend. The entry in the appropriate manual for the abend code gives user guidance regarding the error, and may also give some guidance concerning the appropriate user response.

**Module:**

DFHKESTX

**DFHKE0998  applid DFHKESTX ENTERED WITH INVALID KTCB.**

**Explanation**

When the kernel establishes its extended subtask abend exit (ESTAE), it sets the PARAM value in the ESTAE macro to the address of the KTCB. When the operating system drives the kernel ESTAE routine, the routine checks that the PARAM address points to a KTCB.

If the PARAM address does not point to a KTCB, this message is issued and CICS is terminated because the kernel ESTAE cannot handle the error if it cannot address the KTCB.

**System action**

CICS terminates.

**User response**

The KTCB eyecatcher might have been overwritten. Determine whether a storage overwrite has caused the problem, and if so, determine the source of the overwrite. Otherwise, you might need further assistance to resolve the problem.

If you need further assistance from IBM to resolve this problem. See Part 4 of the Troubleshooting and support for guidance on how to proceed.

**Module:**

DFHKESTX

**DFHKE0999  applid MVS HAS CALLED DFHKESTX WITH NO SDWA. ABEND CODE X'code'.**

**Explanation**

MVS has made a call to the CICS ESTAE-type recovery routine DFHKESTX, but it supplied no system diagnostic work area (SDWA). DFHKESTX is unable to continue with the recovery.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System action**

Module DFHKESTX produces a system dump and percolates the error to the next ESTAE routine. This is potentially a serious error. CICS continues processing pending the result of the error percolation.

**User response**

The abend code X'code' is the reason the CICS ESTAE was called. You need to find out which product has produced the abend. Typically it is an MVS system completion code, for example D37. However the abend may have been issued by CICS, for example abend 1596, or another product such as IMS.
Since there is little further diagnostic information in this case, look for any messages that may indicate the reason for the abend. The entry in the appropriate manual for the abend code gives user guidance regarding the error, and may also give some guidance concerning the appropriate user response.

The reason why no SDWA was passed and subsequently no recovery was attempted is probably a shortage of storage. This storage shortage may also be an influencing factor in the abend itself.

**Module:**
DFHKESTX

**Destination**
Console

**DFHKE1798**  
*applid* FO TCB FORCED TO TERMINATE.

**Explanation**
During an immediate shutdown of CICS the file owning TCB is detached before VSAM is able to close all data sets normally.

The detaching of this TCB can cause abends during shutdown. At CICS restart VSAM may need to perform a VERIFY for any data set that is open for update when the immediate shutdown is performed, and this can cause a long delay.

During initialization, CICS may not have access to the user’s *applid* coded in the SIT. If this is the case CICS uses the default *applid* value DBDCCICS.

**System action**
The immediate shutdown of CICS continues.

**User response**
None.

**Module:**
DFHKESIP

**Destination**
Console

**DFHKE1800**  
*applid* ABNORMAL TERMINATION OF CICS IS COMPLETE.

**Explanation**
CICS issues this message when it terminates abnormally.

During initialization, CICS may not have access to the user’s *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

**System action**
The abnormal termination of CICS continues. The kernel returns control to the operating system by issuing a user 1800 abend.

The original error which caused the abnormal termination may also have produced a dump. No specific dump is produced to accompany this message.

**User response**
If a dump is produced, check the dump to determine the cause of the error. Use the Troubleshooting and support to assist you to determine the problem.

If no dump is produced, check for other CICS and MVS messages and abend codes to help you to determine the cause of the problem.

**Module:**
DFHKESIP

---

Chapter 2. CICS messages 1021
Destination
Console

DFHLDnnnnn messages

DFHLD0001  applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation
An unexpected program check or abend occurred with abend code aaa/bbbb.
The program status word (PSW) at the time of the program check or abend indicated that CICS was executing at offset X'offset' in module modname. This may have been caused by corruption of CICS code or control blocks.

System action
A system dump is taken and the system attempts to continue operation unless otherwise directed by entries in the dump table.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Investigate the cause of the program check or abend using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.
You may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHLDDM, DFHLDDMI, DFHLDLD, DFHLDLD1, DFHLDLD2, DFHLDLD3, DFHLDNT, DFHLDST, DFHLDLB, DFHLDLB2, DFHLDLB3

XMEOUT parameters/Message inserts
1. applid
2. aaa/bbbb
3. X'offset'
4. modname

Destination
Console

DFHLD0002  applid A severe error (code X'code') has occurred in module modname.

Explanation
The loader has received an unexpected error response from some other part of CICS or an operating system service. The operation requested by the loader is described by code X'code'.
For further information about CICS exception trace entries, refer to the Troubleshooting and support.

System action
A system dump is taken and the system attempts to continue operation unless specifically inhibited by dump table entries.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Investigate the cause of the problem as follows:
1. Determine if the problem can be explained by any previous messages output from some other part of CICS.
2. Examine the symptom string.
3. Examine the dump.

Module:
DFHLDDM, DFHLDDMI, DFHLDLD, DFHLDLD1, DFHLDLD2, DFHLDLD3, DFHLDNT, DFHLDST, DFHLDLB, DFHLDLB2, DFHLDLB3

XMEOUT parameters/Message inserts
1. applid
2. X'code'
3. modname

Destination
Console

DFHLD0004  applid A possible loop has been detected at offset X'offset' in module modname.

Explanation
CICS has detected what it believes to be a code execution loop. At the time execution was interrupted, the program status word (PSW) indicated the next
instruction address would have been at offset X'offset' in module modname.

**System action**
CICS is terminated with a system dump unless dump table options specifically prevent this.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Investigate the existence of a previous error situation which may have led to corruption of CICS control blocks or to the non-completion of an expected event. If there is no evidence of a previous error, you will need further assistance from IBM to resolve the problem. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHLDDMI, DFHLDDMI, DFHLDLD, DFHLDLD1, DFHLDLD2, DFHLDLD3, DFHLDNT, DFHLDST, DFHLDLB, DFHLDLB2, DFHLDLB3

**XMEOUT parameters/Message inserts**
1. applid
2. X'offset'
3. modname

**Destination**
Console

**Explanation**
The CICS loader (LD) was unable to locate a copy of module modname in either the link pack area (LPA) or the DFHRPL library concatenation.

**System action**
A system dump is taken and CICS execution continues unless specifically inhibited by a dump table entry.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
This message diagnoses an internal error within CICS. Investigate whether previous errors have left CICS in a damaged state. If there is no evidence of previous serious errors, you will need further assistance from IBM to resolve the problem. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHLDDMI

**XMEOUT parameters/Message inserts**
1. applid
2. ff
3. modname

**Destination**
Console

**Explanation**
As part of its initialization, the CICS loader has attempted to define domain gate ff for module modname, but has received a bad response.

**System action**
A system dump is taken and CICS execution continues unless specifically inhibited by a dump table entry.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
This message is followed by one or more messages informing the user of reduced function availability due to the missing module modname.

Ensure that there is a copy of module modname in the LPA and/or in a library within the DFHRPL concatenation.

If module was expected to be in the LPA, ensure CICS is utilizing LPA resident modules by specifying LPA=YES as a start up override.

**Module:**
DFHLDDMI

**XMEOUT parameters/Message inserts**
1. applid
2. modname

**Destination**
Console

**Explanation**
Compliance OFF. All modules are USAGE=TRANSIENT.
Explanation
This message is normally preceded by either message DFHLD0101 or DFHLD0102 and indicates that the loader (LD) domain was unable to initialize its dynamic program storage compression facility.

System action
CICS execution continues but all nonresident application programs are treated as if they had been defined with the USAGE=TRANSIENT option. Therefore they are removed from storage the moment their use count reaches zero.

For some functions, this can lead to a performance degradation as programs may be loaded many times during the life of a transaction instead of only once.

User response
Investigate the reasons for the previous problem concerning module DFHLDNT as diagnosed by either message DFHLD0101 or DFHLD0102.

Module:
DFHLDDMI

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHLD0104I  applid Module Statistics are not being collected.

Explanation
This message is normally preceded by either message DFHLD0101 or DFHLD0102 and indicates that the loader (LD) domain was unable to initialize it's statistics collection module.

System action
CICS execution continues but no module statistics will be collected.

User response
Investigate the reasons for the previous problem concerning module DFHLDST as diagnosed by either message DFHLD0101 or DFHLD0102.

Module:
DFHLDDMI

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHLD0105  applid Restart of Loader Option Block (LOB) failed. System defaults in use.

Explanation
The initialization of the CICS loader has detected one or more invalid parameters in the loader option block (LOB) recovered from the local catalog.

This may indicate that corruption of the local catalog has occurred.

System action
A system dump is taken and CICS execution continues unless specifically inhibited by a dump table option.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Investigate the possibility of corruption of the local catalog. If you suspect that the local catalog is corrupt, reinitialize it and resubmit the CICS job.

Module:
DFHLDDM

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHLD0106  applid Bad response X'resp' returned on an OPEN of DFHRPL.

Explanation
The CICS loader has attempted to open the DFHRPL library concatenation during initialization and has received the response code resp.

System action
CICS execution continues although only link pack area (LPA) resident modules are accessible.
Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Ensure the DFHRPL concatenation is correctly specified in the JCL and that the libraries specified in it are operational. The response code returned may be interpreted as for a BSAM open request.

**Module:**

DFHLDDM

**XMEOUT parameters/Message inserts**

1. applid
2. X'resp'

**Destination**

Console

DFHLD0107I applid modname1 is unable to locate module modname2 in the LPA. DFHRPL version of module will be used.

**Explanation**

The user has specified the system initialization parameter LPA=YES. Module modname2 is either defined as USELPACOPY=YES via RDO or is a CICS PCLASS=SYSTEM module. CICS has been unable to find module2 in the link pack area (LPA).

**System action**

CICS execution continues with an attempt to locate module modname2 in the CICS program library DFHRPL.

**User response**

carry out one of the following:

- Load module modname2 into the LPA, if this is required and the module is LPA eligible (refer to the Installing CICS TS for LPA eligibility of CICS modules).
- Code PRVMOD=modname2 as a SIT option which ensures that CICS will not search the LPA for that module.
- Code LPA=NO as a system initialization parameter. This ensures that CICS does not search the LPA for any module.
- Inhibit this message from all or selected consoles using the MVS VARY command. For more information on how to do this, refer to the Installing CICS TS.

**Module:**

DFHLDDMI, DFHLDDL1

**XMEOUT parameters/Message inserts**

1. applid
2. modname1
3. modname2

**Destination**

Console

DFHLD0108I applid The maximum of 32767 entries that CICS allows on a BLDL has been exceeded.

**Explanation**

During a warm or emergency restart, the loader domain has detected more than 32767 modules eligible for BLDL.

**System action**

A BLDL macro call is issued to locate the first 32767 modules and the rest are ignored. CICS initialization continues normally.

This is not a problem because CICS attempts to locate those modules not located during initialization when the module is first used.

**User response**

None.

**Module:**

DFHLDDMI

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

DFHLD0109I applid modname1 is unable to locate module modname2 in the LPA. DFHRPL or dynamic LIBRARY version of module will be used.

**Explanation**

The user has specified the system initialization parameter LPA=YES. Module modname2 is either defined as USELPACOPY=YES via RDO or is a CICS
System module. CICS has been unable to find module2 in the link pack area (LPA).

**System action**

CICS execution continues with an attempt to locate module modname2 in the CICS program library DFHRPL or a dynamic LIBRARY in the LIBRARY search order. The sequence of LIBRARY concatenations in which CICS will attempt to locate module2 will depend on the LIBRARY search order that is currently active in the system.

**User response**

Carry out one of the following:

- Load module modname2 into the LPA, if this is required and the module is LPA eligible (refer to the Installing CICS TS for LPA eligibility of CICS modules).
- Code PRVMOD=modname2 as a SIT option which ensures that CICS will not search the LPA for that module.
- Code LPA=NO as a system initialization parameter. This ensures that CICS does not search the LPA for any module.
- Inhibit this message from all or selected consoles using the MVS VARY command. For more information on how to do this, refer to the Installing CICS TS.

**Module:**

DFHLDLD1, DFHLDDMI

**XMEOUT parameters/Message inserts**

1. applid
2. modname1
3. modname2

**Destination**

Console

```plaintext
DFHLD0201 applid Corrupt Loader load structure detected at X'address'. Module marked as unavailable.
```

**Explanation**

During the execution of a CICS loader request, the loader detected an invalid field in the control block type tttt at storage address address.

**System action**

A system dump is taken and execution continues unless specifically inhibited by a dump table option. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Investigate the possibility of corruption of CICS modules or control blocks or the local or global catalogs.

**Module:**

DFHLDLD1
XMEOUT parameters/Message inserts

1. applid
2. load
3. X’address’

Destination
Console

DFHLDO202 applid Loader SVC svc request failed due to shortage of free storage in the region.

Explanation
The loader domain has issued a request to its CICS SVC service routine, DFHLDSVC, but the execution of this request failed due to a lack of free storage in the MVS region. The type of request is indicated by svc.

System action
A system dump will be taken unless specifically suppressed through a dump table entry and the system continues execution. The task requesting loader services is abnormally terminated with abend code APCT, or a PGMIDERR condition will be raised.

User response
Ensure there is adequate free storage in the MVS region by balancing the overall size limits of the DSAs or EDSAs with the size of the MVS region specified by the REGION parameter on the job card of the CICS job JCL.

Module:
DFHLDDL1

XMEOUT parameters/Message inserts

1. applid
2. svc

Destination
Console

DFHLDO203 applid Loader SVC svc request failed due to I/O errors on library DFHRPL.

Explanation
The loader domain has issued a request to its CICS SVC service routine, DFHLDSVC, but the execution of this request failed due to I/O errors on the relocatable library, DFHRPL. The type of request is indicated by svc.

System action
A system dump is taken unless specifically suppressed through a dump table entry and the system continues execution. The task requesting loader services is abnormally terminated with abend code APCT, or a PGMIDERR condition is raised.

User response
Investigate the possible causes of the I/O errors encountered. The MVS system console log may contain more information about the problem in the form of access method or I/O subsystem messages. The loader domain exception trace entries, from the full trace, in the system dump normally identify the module or modules for which the I/O error occurred.

A possible cause of this problem is the compression of a partition data set (PDS) within the DFHRPL concatenation.

Module:
DFHLDDL1

XMEOUT parameters/Message inserts

1. applid
2. svc

Destination
Console

DFHLDO204 applid Bad Loader PDB for module modname recovered from the {Local / Global} catalog. Corruption suspected.

Explanation
The loader definition record, PDB, for module modname has been read from either the local (DFHLCD) or the global (DFHGCD) catalog during startup and has been found to contain invalid data.

System action
System initialization terminates with a system dump, unless the dump is specifically suppressed. If the system dump is suppressed, the module definition is ignored.

Message DFHME0116, which contains the symptom string for this problem, is produced.
User response
Ensure the specified catalog data set has not been corrupted and is available to the CICS job.

Module:
DFHLDDMI, DFHLDLD

XMEOUT parameters/Message inserts
1. applid
2. modname
3. Value chosen from the following options:
   1=Local,
   2=Global

Destination
Console

DFHLD0205 applid Bad Loader PLDB for LIBRARY libname recovered from the Global catalog. Corruption suspected.

Explanation
The loader program LIBRARY record, PLDB, for dynamic LIBRARY modname has been read from the global catalog during startup and has been found to contain invalid data.

System action
System initialization terminates with a system dump, unless the dump is specifically suppressed. If the system dump is suppressed, the dynamic LIBRARY resource is ignored.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Ensure the specified catalog data set has not been corrupted and is available to the CICS job.

Module:
DFHLDDMI

XMEOUT parameters/Message inserts
1. applid
2. libname

DFHLD0206 applid Loader SVC svc request failed due to I/O errors on LIBRARY libname.

Explanation
The loader domain has issued a request to its CICS SVC service routine, DFHLDSCVC, but the execution of this request failed due to I/O errors on the dynamic LIBRARY libname. The type of request is indicated by svc.

System action
The system action depends on the type of request in svc.

- When svc is BLDL, the problem has occurred while searching through the LIBRARY search order for the location of a program. The search will continue with the next LIBRARY in the LIBRARY search order, if any. The effect is as if LIBRARY libname was not included in the LIBRARY search order.
- When svc is LOAD, the problem has occurred while loading a program from a known location in a dynamic LIBRARY. A system dump is taken unless specifically suppressed through a dump table entry and the system continues execution. The task requesting loader services is abnormally terminated with abend code APCT, or a PGMIDERR condition is raised.

User response
Investigate the possible causes of the I/O errors encountered. The MVS system console log may contain more information about the problem in the form of access method or I/O subsystem messages. The loader domain exception trace entries, from the full trace, in the system dump normally identify the module or modules for which the I/O error occurred.

A possible cause of this problem is the compression of a partitioned data set (PDS) within the LIBRARY concatenation. Another possible cause is that one or more data sets in the dynamic LIBRARY concatenation has not been correctly defined as a partitioned data set (PDS) or partitioned data set extended (PDSE).

Module:
DFHLDLD1

XMEOUT parameters/Message inserts
1. applid
2. svc
3. libname

Destination
Console

DFHLD0501 I  date time applid termid tranid
LIBRARY libname is being installed with status {Enabled / Disabled}.

Explanation
Install of the dynamic LIBRARY resource libname has started. The enablement status that has been requested for this LIBRARY is either Enabled or Disabled, as indicated in the message.

System action
The system processes the install of the LIBRARY resource. A subsequent message will indicate the result of the install.

User response
This is an informational message for audit trail purposes, no action is required.

Module:
DFHLDLB2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. libname
7. Value chosen from the following options:
   1=Enabled,
   2=Disabled

Destination
CSLB

DFHLD0503 W  date time applid termid tranid
Install of LIBRARY libname has failed to complete successfully, for reason: {library not found. | dynamic allocation of data set failed. | concatenation of data sets failed. | open of library concatenation failed. | close of library concatenation failed. | deconcatenation of data sets failed. | de-allocation of data set failed. | mvs abend condition. | incompatible bundle set. | library not disabled. | insufficient storage. | library lock error. | library chain error. | catalog write failed. |}

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catalog_delete failed. | unknown.} Enablement status is Disabled.

**Explanation**

Install of the dynamic LIBRARY resource `libname` has completed but has not done so successfully. One of the steps required to complete successful install of a dynamic LIBRARY resource has failed. The LIBRARY has been installed, but with an enablement status of Disabled, which means that it will not participate in the search order used when loading programs and program artifacts.

**System action**

The system has attempted to process install of the LIBRARY resource. This message follows message DFHLDO501 which indicated the start of install processing for the LIBRARY resource. The LIBRARY will not be searched when program artifacts are loaded, meaning that program artifacts that reside in the data sets defined for the LIBRARY will not be loaded from this LIBRARY.

**User response**

Examine the console log for one or more messages indicating the failure which occurred during install processing for this LIBRARY.

**Module:** DFHLDLB2

<table>
<thead>
<tr>
<th>XMEOUT parameters/Message inserts</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. date</td>
</tr>
<tr>
<td>2. time</td>
</tr>
<tr>
<td>3. applid</td>
</tr>
<tr>
<td>4. termid</td>
</tr>
<tr>
<td>5. tranid</td>
</tr>
<tr>
<td>6. libname</td>
</tr>
<tr>
<td>7. Value chosen from the following options:</td>
</tr>
<tr>
<td>1=library not found.,</td>
</tr>
<tr>
<td>2=dynamic allocation of data set failed.,</td>
</tr>
<tr>
<td>3=concatenation of data sets failed.,</td>
</tr>
<tr>
<td>4=open of library concatenation failed.,</td>
</tr>
<tr>
<td>5=close of library concatenation failed.,</td>
</tr>
<tr>
<td>6=deconcatenation of data sets failed.,</td>
</tr>
<tr>
<td>7=de-allocation of data set failed.,</td>
</tr>
<tr>
<td>8=mvs abend condition.,</td>
</tr>
<tr>
<td>9=incompatible bundle set.,</td>
</tr>
<tr>
<td>10=library not disabled.,</td>
</tr>
<tr>
<td>11=insufficient storage.,</td>
</tr>
<tr>
<td>12=library lock error.,</td>
</tr>
<tr>
<td>13=library chain error.,</td>
</tr>
<tr>
<td>14=catalog write failed.,</td>
</tr>
<tr>
<td>15=catalog_delete failed.,</td>
</tr>
<tr>
<td>16=unknown.</td>
</tr>
</tbody>
</table>

**Destination**

CSLB

**DFHLDO504 E**

Install of LIBRARY `libname` has failed because a LIBRARY of that name is already installed and enabled.

**Explanation**

Install of the dynamic LIBRARY resource `libname` has been rejected because a LIBRARY of the same name is already installed, and is in an Enabled state. It is not possible to replace an existing LIBRARY resource with a new definition unless it is in a Disabled state.

**System action**

The system continues. The existing LIBRARY resource continues to be used.

**User response**

Investigate whether it was intended to install a new definition of the LIBRARY. If so, set the existing LIBRARY to Disabled and repeat the request used to install the new definition.

**Module:** DFHLDLB2

<table>
<thead>
<tr>
<th>XMEOUT parameters/Message inserts</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. date</td>
</tr>
<tr>
<td>2. time</td>
</tr>
<tr>
<td>3. applid</td>
</tr>
<tr>
<td>4. termid</td>
</tr>
<tr>
<td>5. tranid</td>
</tr>
<tr>
<td>6. libname</td>
</tr>
</tbody>
</table>
Explanation

This message gives details of the ranking, critical status and enablement status for LIBRARY libname. The ranking is given by ranking, and is a number which specifies how this LIBRARY should be positioned in the search order relative to other LIBRARY resources. The critical status is either Critical or Noncritical, and indicates whether or not this LIBRARY is critical to CICS start up. The enablement status is either Enabled or Disabled, and indicates whether the LIBRARY is currently enabled. Only an enabled LIBRARY can participate in the search order.

System action

The system continues. This is one of a set of informational messages that give details for the LIBRARY resources. The associated messages give information about the data sets defined in the LIBRARY.

User response

This is an informational message for audit trail purposes, no action is required.

Module:
DFHLDLB2, DFHLDLB3

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. libname
5. ranking
6. Value chosen from the following options:
   1=Critical,
   2=Noncritical
7. Value chosen from the following options:
   1=Enabled,
   2=Disabled

Explanation

This message gives details of data sets defined in the LIBRARY resource libname. Up to eight data sets in the LIBRARY are listed, given by the inserts dsname01, dsname02, dsname03, dsname04, dsname05, dsname06, dsname07, and dsname08. This is the order in which the data sets appear in the LIBRARY definition (including blank data set slots). The remaining eight data sets (dsname09 through to dsname16) are given in a subsequent DFHLD0507 message.

System action

The system continues. This is one of a set of informational messages which give details for the LIBRARY resource. The associated messages give details about attributes of this LIBRARY, and about the other data sets defined in the LIBRARY.

User response

This is an informational message for audit trail purposes, no action is required.

Module:
DFHLDLB2, DFHLDLB3

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. libname
5. dsname01
6. dsname02
7. dsname03
8. dsname04
9. dsname05
10. dsname06
11. dsname07
12. dsname08
Explanation
This message gives details of data sets defined in the LIBRARY resource libname. The second set of up to eight data sets in the LIBRARY are listed, given by the inserts dsname09, dsname10, dsname11, dsname12, dsname13, dsname14, dsname15, and dsname16. This is the order in which the data sets appear in the LIBRARY definition (including blank data set slots). The first eight data sets (dsname01 through to dsname08) are given in a preceding DFHLD0506 message.

System action
The system continues. This is one of a set of informational messages which give details about this LIBRARY resource. The associated messages give details of the attributes of the LIBRARY, and of the first eight data set slots defined for the LIBRARY.

User response
This is an informational message for audit trail purposes, no action is required.

Module: DFHDLB2, DFHDLB3

XMEOUT parameters/Message inserts
1. date
d2. time
d3. applid
d4. libname
d5. dsname09
d6. dsname10
d7. dsname11
d8. dsname12
d9. dsname13
d10. dsname14
d11. dsname15
d12. dsname16

Explanation
Installation of the dynamic LIBRARY resource libname for application applicationname version majorversion.minorversion.microversion on platform platformname has started. The enablement status that has been requested for this LIBRARY is either Enabled or Disabled, as indicated in the message.

System action
The system processes the install of the LIBRARY resource. A subsequent message will indicate the result of the installation.

User response
This is an informational message for audit trail purposes, no action is required.

Module: DFHDLB2

XMEOUT parameters/Message inserts
1. date
d2. time
d3. applid
d4. termid
d5. tranid
d6. libname
d7. applicationname
d8. majorversion
d9. minorversion
d10. microversion
d11. platformname
12. Value chosen from the following options:
   1=Enabled,
   2=Disabled
Destination

CSLB

DFHLD0509 I date time applid termid tranid
Install of LIBRARY libname for application applicationname, version majorversion.minorversion.microversion of platform platformname has completed successfully. Enablement status is {Enabled | Disabled}.

Explanation

Installation of the dynamic LIBRARY resource libname for application applicationname version majorversion.minorversion.microversion on platform platformname has completed and was successful. The enablement status of the LIBRARY has been successfully set to Enabled or Disabled, as indicated by the message.

System action

The system has processed install of the LIBRARY resource. This message follows message DFHLD0501 which indicated the start of installation processing for the LIBRARY resource.

User response

This is an informational message for audit trail purposes, no action is required.

Module:

DFHLDLB2

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. libname
7. applicationname
8. majorversion
9. minorversion
10. microversion
11. platformname
12. Value chosen from the following options:
    1=Enabled,
10. ranking
11. Value chosen from the following options:
   1=Enabled,
   2=Disabled

**Destination**

CSLB

**DFHLD0512 I**

`date time applid termid tranid`

LIBRARY `libname` has been successfully discarded.

**Explanation**

Discard of the dynamic LIBRARY resource `libname` has completed and was successful. This LIBRARY resource is no longer active in the CICS system.

**System action**

The system has processed discard of the LIBRARY resource.

**User response**

This is an informational message for audit trail purposes, no action is required.

**Module:**

DFHDLDB2

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `termid`
5. `tranid`
6. `libname`

**Destination**

CSLB

**DFHLD0513 W**

`date time applid termid tranid`

Discard of LIBRARY `libname` has failed for reason: `{library not found. | dynamic allocation of data set failed. | concatenation of data sets failed. | open of library concatenation failed. | close of library concatenation failed. | deconcatenation of data sets failed. | de-allocation of data set failed. | mvs abend condition. | incompatible bundle set. | library not disabled. | insufficient storage. | library lock error. | library chain error. | catalog write failed. | catalog_delete failed. | unknown.}`

**Explanation**

Discard of the dynamic LIBRARY resource `libname` has failed to complete successfully.

**System action**

The system has attempted to process discard of the LIBRARY resource. If one of the steps required to complete successful discard of a dynamic LIBRARY resource has failed, the LIBRARY will remain in a disabled state and will not participate in the search order used when loading programs and program artifacts. This message can also occur because a LIBRARY of this name is not installed, or because it is enabled.

**User response**

Check that the LIBRARY to be discarded is installed and is in a disabled state. If that is not the cause of the error, examine the console log for one or more messages indicating the failure that occurred during discard processing for this LIBRARY.

**Module:**

DFHDLDB2

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `termid`
5. `tranid`
6. `libname`
7. Value chosen from the following options:
   1=library not found.,
   2=dynamic allocation of data set failed.,
   3=concatenation of data sets failed.,
   4=open of library concatenation failed.,
   5=close of library concatenation failed.,
   6=deconcatenation of data sets failed.,
   7=de-allocation of data set failed.,
   8=mvs abend condition.,
<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>incompatible bundle set.</td>
</tr>
<tr>
<td>10</td>
<td>library not disabled.</td>
</tr>
<tr>
<td>11</td>
<td>insufficient storage.</td>
</tr>
<tr>
<td>12</td>
<td>library lock error.</td>
</tr>
<tr>
<td>13</td>
<td>library chain error.</td>
</tr>
<tr>
<td>14</td>
<td>catalog write failed.</td>
</tr>
<tr>
<td>15</td>
<td>catalog_delete failed.</td>
</tr>
<tr>
<td>16</td>
<td>unknown.</td>
</tr>
</tbody>
</table>

**Destination**

CSLB

**DFHLDO514 W**

Install of LIBRARY libname for application applicationname, version majorversion.minorversion.microversion on platform platformname, has failed to complete successfully, for reason: {library not found. | dynamic allocation of data set failed. | concatenation of data sets failed. | open of library concatenation failed. | close of library concatenation failed. | deconcatenation of data sets failed. | de-allocation of data set failed. | mvs abend condition. | incompatible bundle set. | library not disabled. | insufficient storage. | library lock error. | library chain error. | catalog write failed. | catalog_delete failed. | unknown.}

Enablement status is Disabled.

**Explanation**

Install of the dynamic LIBRARY resource libname for application applicationname version majorversion.minorversion.microversion on platform platformname has completed but has not done so successfully. One of the steps required to complete successful install of a dynamic LIBRARY resource has failed. The LIBRARY has been installed, but with an enablement status of Disabled, which means that it will not participate in the search order used when loading programs and program artifacts.

**System action**

The system has attempted to process install of the LIBRARY resource. This message follows message DFHLDO508 which indicated the start of install processing for the LIBRARY resource. The LIBRARY will not be searched when program artifacts are loaded, meaning that program artifacts that reside in the data sets defined for the LIBRARY will not be loaded from this LIBRARY.

**User response**

Examine the console log for one or more messages indicating the failure which occurred during install processing for this LIBRARY.

**Module:**

DFHLDLB2

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. libname
7. applicationname
8. majorversion
9. minorversion
10. microversion
11. platformname
12. Value chosen from the following options:
   1=library not found.,
   2=dynamic allocation of data set failed.,
   3=concatenation of data sets failed.,
   4=open of library concatenation failed.,
   5=close of library concatenation failed.,
   6=deconcatenation of data sets failed.,
   7=de-allocation of data set failed.,
   8=mvs abend condition.,
   9=incompatible bundle set.,
   10=library not disabled.,
   11=insufficient storage.,
   12=library lock error.,
   13=library chain error.,
   14=catalog write failed.,
   15=catalog_delete failed.,
   16=unknown.
Install of LIBRARY libname for application applicationname, version majorversion.minorversion.microversion on platform platformname, has failed because a LIBRARY of that name is already installed.

Install of the dynamic LIBRARY resource libname for application applicationname version majorversion.minorversion.microversion on platform platformname has been rejected because a LIBRARY of the same name is already installed for the named application.

The system continues. The existing LIBRARY resource continues to be used.

Modify the application by either renaming or removing one of the LIBRARY definitions. Disable and discard the application, export the modified application and install the application again.

Modify the application by either renaming or removing one of the LIBRARY definitions. Disable and discard the application, export the modified application and install the application again.

This is an informational message for audit trail purposes, no action is required.

Discard of the dynamic LIBRARY resource libname for application applicationname version majorversion.minorversion.microversion on platform platformname has completed and was successful. This LIBRARY resource is no longer active in the CICS system.

This is an informational message for audit trail purposes, no action is required.

This is an informational message for audit trail purposes, no action is required.
set failed. | concatenation of data sets failed. | open of library concatenation failed. | close of library concatenation failed. | deconcatenation of data sets failed. | de-allocation of data set failed. | mvs abend condition. | incompatible bundle set. | library not disabled. | insufficient storage. | library lock error. | library chain error. | catalog write failed. | catalog_delete failed. | unknown.}

Explanation

Discard of the dynamic LIBRARY resource libname for application applicationname version majorversion.minorversion.microversion on platform platformname has failed to complete successfully.

System action

The system has attempted to process discard of the LIBRARY resource. If one of the steps required to complete successful discard of a dynamic LIBRARY resource has failed, the LIBRARY will remain in a disabled state and will not participate in the search order used when loading programs and program artifacts. This message can also occur because a LIBRARY of this name is not installed, or because it is enabled.

User response

Check that the LIBRARY to be discarded is installed and is in a disabled state. If that is not the cause of the error, examine the console log for one or more messages indicating the failure that occurred during discard processing for this LIBRARY.

Module: DFHLDLB2

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. libname
7. applicationname
8. majorversion
9. minorversion
10. microversion
11. platformname
12. Value chosen from the following options:
   1=library not found.,
   2=dynamic allocation of data set failed.,
   3=concatenation of data sets failed.,
   4=open of library concatenation failed.,
   5=close of library concatenation failed.,
   6=deconcatenation of data sets failed.,
   7=de-allocation of data set failed.,
   8=mvs abend condition.,
   9=incompatible bundle set.,
   10=library not disabled.,
   11=insufficient storage.,
   12=library lock error.,
   13=library chain error.,
   14=catalog write failed.,
   15=catalog_delete failed.,
   16=unknown.

Destination

CSLB

DFHLD0518 I date time applid termid tranid
LIBRARY libname for application applicationname, version majorversion.minorversion.microversion of platform platformname has been assigned a DD name of ddname.

Explanation

LIBRARY resource libname for application applicationname version majorversion.minorversion.microversion on platform platformname has been dynamically allocated and assigned a DD name of ddname.

System action

The system has processed install of the LIBRARY resource. This message follows message DFHLD0508 which indicated the start of installation processing for the LIBRARY resource.
User response
This is an informational message for audit trail purposes, no action is required.

Module:
DFHLDLB2, DFHLDLB3

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. libname
7. applicationname
8. majorversion
9. minorversion
10. microversion
11. platformname
12. ddname

Destination
CSLB

DFHLD0519 E  date time applid termid tranid
Install of LIBRARY libname has failed because a LIBRARY of that name is already installed.

Explanation
Install of a bundle defined dynamic LIBRARY resource libname has been rejected because a LIBRARY of the same name is already installed.

System action
The system continues. The existing LIBRARY resource continues to be used.

User response
Either:
- Discard the existing LIBRARY resource libname and then disable, discard and re-install the bundle.
- Modify the bundle by either renaming or removing the LIBRARY definition for libname. Export the modified bundle and then disable, discard and re-install the bundle.

Module:
DFHLDLB2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. libname
7. oldranking
8. newranking

Destination
CSLB

DFHLD0521 I  date time applid termid tranid
Ranking of LIBRARY libname changed from oldranking to newranking.

Explanation
The ranking value of LIBRARY resource libname has been changed. The original value was oldranking and the new value is newranking. This changes the position of this LIBRARY relative to other LIBRARY resources in the search order.

System action
The system has changed the ranking value of the LIBRARY resource. This message will be followed by a set of messages that show the new search order of the LIBRARY resources in the system.

User response
This is an informational message for audit trail purposes, no action is required.

Module:
DFHLDLB3
Critical status of library `libname` changed from {Critical | Noncritical} to {Critical | Noncritical}.

**Explanation**
The critical status of LIBRARY resource `libname` has been changed, as indicated in the message. The critical status of a LIBRARY can be:

- Critical, meaning that this LIBRARY is critical to CICS startup.
- Noncritical, meaning that this LIBRARY is not critical to CICS startup. CICS startup can continue if an error occurs while installing a noncritical LIBRARY.

**System action**
The system has changed the critical status of the LIBRARY resource. This will have no effect until the next CICS startup, when the critical status will determine the handling of errors if this LIBRARY is installed during startup.

**User response**
This is an informational message for audit trail purposes, no action is required.

**Module:** DFHLDLB3

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `termid`
5. `tranid`
6. `libname`
7. Value chosen from the following options:
   1. Critical,
   2. Noncritical
8. Value chosen from the following options:
   1. Critical,
   2. Noncritical

**Destination**
CSLB

---

DISABLED LIBRARY

**Explanation**
The enablement state of LIBRARY resource `libname` has been changed to Disabled. A disabled LIBRARY will not participate in the search order through all LIBRARY resources, used to determine where a program artifact should be loaded from.

**System action**
The system has changed the enablement state of the LIBRARY resource to Disabled. This message will be followed by a set of messages which show the new search order of the LIBRARY resources in the system.

**User response**
This is an informational message for audit trail purposes, no action is required.

**Module:** DFHLDLB3

**Destination**
CSLB

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `termid`
5. `tranid`
6. `libname`

---

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followed by a set of messages which show the new search order of the LIBRARY resources in the system.

**User response**
This is an informational message for audit trail purposes, no action is required.

**Module:**
DFHLDLB3

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. termid
5. tranid
6. libname

**Destination**
CSLB

**DFHLD0525 W**

*date time applid termid tranid*

Attempt to set attributes or status of LIBRARY *libname* has failed for reason: {library not found. | dynamic allocation of data set failed. | concatenation of data sets failed. | open of library concatenation failed. | close of library concatenation failed. | deconcatenation of data sets failed. | de-allocation of data set failed. | mvs abend condition. | incompatible bundle set. | library not disabled. | insufficient storage. | library lock error. | library chain error. | catalog write failed. | catalog_delete failed. | unknown.}

**Explanation**
An attempt to set attributes of LIBRARY resource *libname* has failed. A SET request has been processed for the LIBRARY, but has not completed successfully.

**System action**
The system has attempted to process a SET for the LIBRARY resource, but has encountered an error during the processing. The requested attribute might not have been set.

**User response**
Examine the console log for one or more messages indicating the failure that occurred during SET processing for this LIBRARY.

**Module:**
DFHLDLB3

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. termid
5. tranid
6. libname
7. Value chosen from the following options:
   1=library not found.,
   2=dynamic allocation of data set failed.,
   3=concatenation of data sets failed.,
   4=open of library concatenation failed.,
   5=close of library concatenation failed.,
   6=deconcatenation of data sets failed.,
   7=de-allocation of data set failed.,
   8=mvs abend condition.,
   9=incompatible bundle set.,
   10=library not disabled.,
   11=insufficient storage.,
   12=library lock error.,
   13=library chain error.,
   14=catalog write failed.,
   15=catalog_delete failed.,
   16=unknown.

**Destination**
CSLB

**DFHLD0526 I**

*date time applid termid tranid*

LIBRARY *libname* for application *applicationname*, version *majorversion.minorversion.microversion* on platform *platformname* has been enabled.
**Explanation**

The enablement state of LIBRARY resource `libname` for application `applicationname` version `majorversion.minorversion.microversion` on platform `platformname` has been changed to Enabled. An enabled LIBRARY will participate in the search order through all LIBRARY resources, used to determine where a program artifact should be loaded from.

**System action**

The system has changed the enablement state of the LIBRARY resource to Enabled. This message will be followed by a set of messages which show the new search order of the LIBRARY resources in the system.

**User response**

This is an informational message for audit trail purposes, no action is required.

**Module:**

DFHLDLB3

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `termid`
5. `tranid`
6. `libname`
7. `applicationname`
8. `majorversion`
9. `minorversion`
10. `microversion`
11. `platformname`

**Destination**

CSLB

**Explanation**

The enablement state of LIBRARY resource `libname` for application `applicationname` version `majorversion.minorversion.microversion` on platform `platformname` has been changed to Disabled. A disabled LIBRARY will not participate in the search order through all LIBRARY resources, used to determine where a program artifact should be loaded from.

**System action**

The system has changed the enablement state of the LIBRARY resource to Disabled. This message will be followed by a set of messages which show the new search order of the LIBRARY resources in the system.

**User response**

This is an informational message for audit trail purposes, no action is required.

**Module:**

DFHLDLB3

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `termid`
5. `tranid`
6. `libname`
7. `applicationname`
8. `majorversion`
9. `minorversion`
10. `microversion`
11. `platformname`

**Destination**

CSLB

**DFHLD0528 W**

`date time applid termid tranid`  
Attempt to set attributes or status of LIBRARY `libname` for application `applicationname`, version `majorversion.minorversion.microversion` on platform `platformname` has failed for reason: `{library not found. | dynamic allocation of data set failed. | concatenation of data sets failed. | open of library concatenation failed. | close of library concatenation failed. | deconcatenation of data sets failed. | de-allocation of data set failed. | mvs abend condition. | incompatible bundle set. | library`
Explanation

An attempt to set attributes of LIBRARY resource libname for application applicationname version majorversion.minorversion.microversion on platform platformname has failed. A SET request has been processed for the LIBRARY, but has not completed successfully.

System action

The system has attempted to process a SET for the LIBRARY resource, but has encountered an error during the processing. The requested attribute might not have been set.

User response

Examine the console log for one or more messages indicating the failure that occurred during SET processing for this LIBRARY.

Module:
DFHLDLB3

Destination

CSLB

Explanation

This message precedes one or more instances of message DFHLD0556, that lists the current position in the search order for all installed and enabled LIBRARY resources. This provides a set of informational messages which show the search order for the LIBRARY resources in the CICS system.

These messages are issued whenever a change occurs that can affect the LIBRARY search order, such as installing a LIBRARY, enabling or disabling a LIBRARY, or changing the LIBRARY ranking. The messages are not issued when such a change occurs during CICS startup, but the set of messages is issued at the completion of CICS startup to show the search order for all enabled LIBRARY resources that were installed or recovered during CICS startup.

System action

The system continues.

User response

This is an informational message for audit trail purposes, no action is required.

Module:
DFHLDLB, DFHLDLB2, DFHLDLB3

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. libname
7. applicationname
8. majorversion
9. minorversion
10. microversion
11. platformname
12. Value chosen from the following options:
   1=library not found.,
   2=dynamic allocation of data set failed.,
   3=concatenation of data sets failed.,
   4=open of library concatenation failed.,
   5=close of library concatenation failed.,
   6=deconcatenation of data sets failed.,
   7=de-allocation of data set failed.,
   8=mvs abend condition.,
   9=incompatible bundle set.,
   10=library not disabled.,
   11=insufficient storage.,
   12=library lock error.,
   13=library chain error.,
   14=catalog write failed.,
   15=catalog_delete failed.,
   16=unknown.
Explanation

This message lists a position in the LIBRARY search order, srchpos and the name of the LIBRARY that is currently at that position, libname. The search order is a number which indicates the current absolute position of this LIBRARY in the overall search order through all LIBRARY resources, used to determine where a program artifact should be loaded from.

This is one of a set of informational messages that give the search positions of all installed and enabled LIBRARY resources in the CICS system. LIBRARY resources that are installed but disabled do not participate in the search order, and are not included in the set of messages.

These messages are issued whenever a change occurs that can affect the LIBRARY search order, such as installing a LIBRARY, enabling or disabling a LIBRARY, or changing the LIBRARY ranking. The messages are not issued when such a change occurs during CICS startup, but the set of messages is issued at the completion of CICS start, to show the search order for all enabled LIBRARY resources that were installed or recovered during CICS startup.

System action

The system continues.

User response

This is an informational message for audit trail purposes, no action is required.

Module:
DFHLDLB2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. srchpos
5. libname

Destination
CSLB

Explanation

This message precedes one or more instances of message DFHLD0556, that lists the current position in the search order for all installed and enabled LIBRARY resources. This provides a set of informational messages which show the search order for the LIBRARY resources in the CICS system.

These messages are issued whenever a change occurs that can affect the LIBRARY search order for application applicationname, version majorversion.minorversion.microversion on platform platformname, such as enabling or disabling an application bundle that defines a LIBRARY.

System action

The system continues.

User response

This is an informational message for audit trail purposes, no action is required.

Module:
DFHLDLB2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. applicationname
5. majorversion
6. minorversion
7. microversion
8. platformname

Destination
CSLB

Explanation

This message lists a position in the LIBRARY search order: srchpos, LIBRARY: libname.
Explanation
This message is issued when the last LIBRARY in the search order for application applicationname, version majorversion.minorversion.microversion on platform platformname, is disabled.

System action
The system continues.

User response
This is an informational message for audit trail purposes, no action is required.

Module:
DFHLDLB2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. applicationname
5. majorversion
6. minorversion
7. microversion
8. platformname

Destination
CSLB

DFHLD0701 applid LIBRARY libname has a smaller ranking value than DFHRPL. Ranking value is R.

Explanation
This message warns that dynamic LIBRARY libname has a ranking value that is smaller than that of the static LIBRARY, DFHRPL. Ranking is a number which specifies how this LIBRARY should be positioned in the search order relative to other LIBRARY resources. If a program artifact is located in the concatenations of two LIBRARY resources that are both installed and enabled, it will be loaded from the LIBRARY with the smaller ranking value. DFHRPL always has a ranking of 10, and libname has been given a ranking value of R, which is smaller than 10 and means that program artifacts that are in this LIBRARY and also in DFHRPL, will be loaded from this LIBRARY.

System action
The system continues. The CICS loader will search LIBRARY library when loading program artifacts before searching DFHRPL.

User response
Verify that it is intended for this LIBRARY to have a ranking value smaller than that of DFHRPL (so that program artifacts will be loaded from this LIBRARY rather than from DFHRPL). If this was not the intention, set the ranking for the LIBRARY to a value greater than 10.

Module:
DFHLDLB2, DFHLDLB3

XMEOUT parameters/Message inserts
1. applid
2. libname
3. R

Destination
Console

DFHLD0702D applid Critical LIBRARY libname could not be installed. Reply GO or CANCEL.

Explanation
LIBRARY libname is being installed during CICS startup, and an error has occurred during install of the LIBRARY. The definition for this LIBRARY indicates that it should be installed as Enabled, and that it is a Critical LIBRARY. A Critical LIBRARY is one that must be available at CICS startup, so this message is issued to allow you to decide whether CICS startup should be allowed to continue without the LIBRARY.

System action
The system waits for a response.

User response
If you do not want CICS to start when this LIBRARY is not available, reply 'CANCEL' to terminate this CICS execution.

If you want to allow CICS to continue without the LIBRARY; for example, because you plan to resolve the problem after CICS has started, reply 'GO' to allow CICS to continue. If you decide that this LIBRARY should not be defined as Critical, SET the LIBRARY to Noncritical, and update the definition.
In both cases, you should study other messages on the console log to determine the reason for the error that occurred while installing the LIBRARY, and take steps to resolve the problem. This message can be issued because a LIBRARY of the same name is already installed and enabled.

**Module:**
DFHLDLB2, DFHLDDMI

**XMEOUT parameters/Message inserts**
1. applid
2. libname
3. GO
4. CANCEL

**Destination**
Console

**DFHL0703**
`applid` Noncritical LIBRARY `libname` could not be installed as enabled. CICS startup continues.

**Explanation**
LIBRARY `libname` is being installed during CICS startup, and an error has occurred during install of the LIBRARY. The definition for this LIBRARY indicates that it should be installed as Enabled, and that it is a Noncritical LIBRARY. A Noncritical LIBRARY is one that does not need to be available at CICS startup, so this message is issued to warn you that an error has occurred during install of the LIBRARY.

**System action**
CICS startup continues.

**User response**
If you want future CICS starts to give you the option to terminate CICS if this LIBRARY fails to install correctly, SET the LIBRARY to Critical, and update its definition.

Study other messages on the console log to determine the reason for the error that occurred while installing the LIBRARY, and take steps to resolve the problem.

**Module:**
DFHLDLB2, DFHLDDMI

**XMEOUT parameters/Message inserts**
1. applid
2. libname

**Destination**
Console

**DFHL0710**
`applid` Install of LIBRARY `libname` encountered an error. The LIBRARY is installed but disabled.

**Explanation**
Install of the dynamic LIBRARY resource `libname` has completed but has not done so successfully. One of the steps required to complete successful install of a dynamic LIBRARY resource has failed. The LIBRARY definition indicates that the LIBRARY should be installed as Enabled. Due to the error, the LIBRARY has been installed, but with an enablement status of Disabled, which means that it will not participate in the search order used when loading programs and program artifacts.

**System action**
The LIBRARY will not be searched when program artifacts are loaded, meaning that program artifacts that reside in the data sets defined for the LIBRARY will not be loaded from this LIBRARY.

**User response**
Examine the console log for one or more messages indicating the failure that occurred during install.
processing for this LIBRARY. When the problem has been resolved, SET the LIBRARY to Enabled.

**Module:** DFHLDLB2

**XMEOUT parameters/Message inserts**

1. applid
2. libname

**Destination**

Console

DFHLD0711  **applid** Install of LIBRARY libname encountered an error. The LIBRARY is installed as disabled.

**Explanation**

Install of the dynamic LIBRARY resource libname has completed but has not done so successfully. One of the steps required to complete successful install of a disabled LIBRARY resource has failed. Due to the error, the LIBRARY has been installed with an enablement status of Disabled, but this should not be a problem as Disabled status was specified in the LIBRARY definition.

**System action**

Disabled status means that the LIBRARY will not be searched when program artifacts are loaded, so that program artifacts that reside in the data sets defined for the LIBRARY will not be loaded from this LIBRARY.

**User response**

Examine the console log for one or more messages indicating the failure that occurred during install processing for this LIBRARY. You should plan to resolve the problem before attempting to SET the LIBRARY to Enabled.

**Module:** DFHLDLB2

**XMEOUT parameters/Message inserts**

1. applid
2. libname

**Destination**

Console

DFHLD0713  **applid** Attempt to enable LIBRARY libname encountered an error. The LIBRARY is disabled.

**Explanation**

An attempt to set the enablement status of the dynamic LIBRARY resource libname to Enabled has failed. One of the steps required to successfully enable a dynamic LIBRARY resource has failed. Due to the error, the LIBRARY remains Disabled, and will not participate in the search order used when loading programs and program artifacts. This error can occur as a result of setting the enabled status of a LIBRARY, or of an attempt to enable a LIBRARY which has been restored from the catalog on a CICS warm or emergency restart.

**System action**

The LIBRARY will not be searched when program artifacts are loaded, meaning that program artifacts that reside in the data sets defined for the LIBRARY will not be loaded from this LIBRARY.
User response
Examine the console log for one or more messages indicating the failure that occurred when attempting to enable this LIBRARY. When the problem has been resolved, repeat the attempt to SET the LIBRARY to Enabled.

Module: DFHLDLB3

XMEOUT parameters/Message inserts
1. applid
2. libname

Destination
Console

DFHLD0715 applid Disable processing for LIBRARY libname encountered an error.

Explanation
An attempt to set the enablement status of the dynamic LIBRARY resource libname to Disabled has encountered an error. One of the steps required to successfully complete disable processing for a dynamic LIBRARY resource has failed.

System action
The LIBRARY is set to Disabled status, and will not participate in the search order used when loading programs and program artifacts. However, maintenance operations on the LIBRARY, such as compression of a data set within the LIBRARY concatenation, might not be allowed.

User response
Examine the console log for one or more messages indicating the failure that occurred when attempting to disable this LIBRARY. When the problem has been resolved, repeat the attempt to SET the LIBRARY to Disabled.

Module: DFHLDLB3

XMEOUT parameters/Message inserts
1. applid
2. libname

Destination
Console

DFHLD0720 applid Dynamic allocation of data set dsname for LIBRARY libname failed. DYNALLOC return codes: X'rrrr',X'cccc',X'dddd'.

Explanation
While installing or enabling dynamic LIBRARY libname, an attempt to dynamically allocate data set dsname has failed. The DYNALLOC macro failed with return code rrrr. cccc is the SVC 99 error reason code, and dddd is the additional SVC 99 error information code.

System action
CICS continues with LIBRARY libname disabled. Programs will not be loaded from this LIBRARY.

User response
For the meaning of the DYNALLOC return codes, see the z/OS MVS Programming: Authorized Assembler Services Guide.

Module: DFHLDLB2, DFHLDLB3, DFHLDDMI

XMEOUT parameters/Message inserts
1. applid
2. dsname
3. libname
4. X'rrrr'
5. X'cccc'
6. X'dddd'

Destination
Console

DFHLD0721 applid Dynamic concatenation of data sets for LIBRARY libname failed. DYNALLOC return codes: X'rrrr',X'cccc',X'dddd'.

Explanation
While installing or enabling dynamic LIBRARY libname, an attempt to dynamically concatenate data sets in the LIBRARY has failed. The DYNALLOC macro failed with return code rrrr. cccc is the SVC 99 error reason code, and dddd is the additional SVC 99 error information code.
**System action**

CICS continues with LIBRARY *libname* disabled. Programs will not be loaded from this LIBRARY.

**User response**

For the meaning of the DYNALLOC return codes, see the z/OS MVS Programming: Authorized Assembler Services Guide.

**Module:**
DFHDLDB2, DFHDLDB3, DFHLDDMI

**XMEOUT parameters/Message inserts**

1. applid
2. libname
3. X'rrrr'
4. X'ccccc'
5. X'dddd'

**Destination**

Console

---

**Explanation**

An attempt to open dynamic LIBRARY *libname* has failed with a non-zero VSAM return code.

**System action**

CICS continues processing, but LIBRARY *libname* is disabled and programs will not be loaded from this LIBRARY.

**User response**

VSAM will have issued a console error message. Use the information in the VSAM error message to solve the problem.

**Module:**
DFHDLDB2, DFHDLDB3, DFHLDDMI

**XMEOUT parameters/Message inserts**

1. applid
2. libname

**Destination**

Console

---

**Explanation**

An attempt to dynamically unallocate (deallocate) data set *dsname* for dynamic LIBRARY *libname* has failed. The DYNALLOC macro failed with return code *rrrr*. *ccccc* is the SVC 99 error reason code, and *ddddd* is the additional SVC 99 error information code. This error can occur while disabling the LIBRARY, either as a result of a specific SET LIBRARY DISABLED request, or while backing out an unsuccessful install or enable of the LIBRARY, or an unsuccessful restore of the LIBRARY at CICS warm or emergency restart. This error can also occur while discarding the LIBRARY, if a previous attempt to disable the LIBRARY had encountered an error.

**System action**

CICS continues with LIBRARY *libname* still installed and disabled.

**User response**

For the meaning of the DYNALLOC return codes, see the z/OS MVS Programming: Authorized Assembler Services Guide.

**Module:**
DFHDLDB2, DFHDLDB3, DFHLDDMI

**XMEOUT parameters/Message inserts**

1. applid
2. dsname
3. libname
4. X'ccccc'
5. X'rrrr'
6. X'dddd'

**Destination**

Console

---

**Explanation**

An attempt to dynamically deconcatenate data sets from LIBRARY *libname* has failed. The DYNALLOC

---

**Explanation**

An attempt to dynamically deconcatenate data sets from LIBRARY *libname* has failed. The DYNALLOC
macro failed with return code $rrrr$. $cccc$ is the SVC 99 error reason code, and $dddd$ is the additional SVC 99 error information code. This error can occur while disabling the LIBRARY, either as a result of a specific SET LIBRARY DISABLED request, or while backing out an unsuccessful install or enable of the LIBRARY, or an unsuccessful restore of the LIBRARY at CICS warm or emergency restart. This error can also occur while discarding the LIBRARY, if a previous attempt to disable the LIBRARY had encountered an error.

**System action**

CICS continues and LIBRARY $libname$ remains installed and disabled.

**User response**

For the meaning of the DYNALLOC return codes, see the z/OS MVS Programming: Authorized Assembler Services Guide.

**Module:** DFHLDLB2, DFHLDLB3, DFHLDDMI

**XMEOUT parameters/Message inserts**

1. applid
2. libname
3. $X'rrrr'$
4. $X'cccc'$
5. $X'dddd'$

**Destination**

Console

**Explanation**

An attempt to close the DD for dynamic LIBRARY $libname$ has failed. This error can occur while disabling the LIBRARY, either as a result of a specific SET LIBRARY DISABLED request, or while backing out an unsuccessful install or enable of the LIBRARY, or an unsuccessful restore of the LIBRARY at CICS warm or emergency restart. This error can also occur while discarding the LIBRARY, if a previous attempt to disable the LIBRARY had encountered an error.

**System action**

CICS continues processing, and LIBRARY $libname$ remains installed and disabled.

**User response**

VSAM will have issued a console error message. Use the information in the VSAM message to solve the problem.

**Module:** DFHLDLB2, DFHLDLB3, DFHLDDMI

**XMEOUT parameters/Message inserts**

1. applid
2. libname

**Destination**

Console

**Explanation**

An attempt to perform an operation for dynamic LIBRARY $libname$ caused an MVS abend condition. The message indicates the operation which resulted in the abend. This may indicate an error in the definition of the dynamic LIBRARY.

**System action**

CICS continues processing, but LIBRARY $libname$ is either disabled or not installed, and programs will not be loaded from this LIBRARY.

**User response**

The operating system will have issued console error messages describing the abend condition. This can be accompanied by the CICS error message DFHLD0001. Use this information to solve the problem. Possible causes of this error include, but are not limited to:

- A data set has been specified in the LIBRARY definition which is not a valid PDS or PDSE data set.
- The system does not have read access to a data set in the LIBRARY. Look for a message from a security manager, such as RACF, which indicates the data set for which there is an access failure.
- In the LIBRARY concatenation the total number of PDSEs and PDS extents exceeded the limit of 255.
• An I/O error occurred while processing a LIBRARY data set.
• A system error occurred while processing an SVC. The abend code will be of the form Fnn for an SVC call nn.
• CICS internal error occurred; for example, a program check.

Module:
DFHLDLB2, DFHLDLB3

XMEOUT parameters/Message inserts
1. applid
2. Value chosen from the following options:
   1=Getmain of LIBRARY control area,
   2=Dynamic allocation,
   3=Dynamic concatenation,
   4=Open,
   5=Close,
   6=Dynamic deconcatenation,
   7=Dynamic unallocation,
   8=Freemain of LIBRARY control area
3. libname

Destination
Console

DFHLD0731 applid Data set dsname could not be allocated for LIBRARY libname because CICS could not determine that the data set is valid for a dynamic LIBRARY. Reason: LOCATE error. LOCATE macro, OBTAIN error. OBTAIN macro, not enough working storage. Loader SVC, CICS internal error. Loader SVC return code: X'rc'

Explanation
While installing or enabling dynamic LIBRARY libname, CICS was unable to determine the validity of data set dsname for the reason shown in the message. Either the LOCATE macro, or the OBTAIN macro, failed with return code rc, or a CICS internal error was encountered.

System action
CICS continues with LIBRARY libname disabled. Programs will not be loaded from this LIBRARY.

User response
For the meaning of the LOCATE or OBTAIN return codes, see z/OS DFSMSdfp Advanced Services. In the case of an internal error, contact the IBM Support Center providing the CICS joblog output.

Module:
DFHLDLB2, DFHLDLB3, DFHLDDMI

XMEOUT parameters/Message inserts
1. applid
2. dsname
3. libname
4. Value chosen from the following options:
   1=LOCATE error. LOCATE macro,
   2=OBTAIN error. OBTAIN macro,
   3=not enough working storage. Loader SVC,
   4=CICS internal error. Loader SVC
5. X'rc'

Destination
Console

DFHLD0732 applid Data set dsname could not be allocated for LIBRARY libname because it is not valid for a dynamic LIBRARY. Reason: not DASD volume, not partitioned organization, record format is not set to unspecified.

Explanation
While installing or enabling dynamic LIBRARY libname, CICS determined that the data set dsname was not valid for use in a dynamic LIBRARY for the reason shown in the message.

System action
CICS continues with LIBRARY libname disabled. Programs will not be loaded from this LIBRARY.

User response
Check the data set location and organization, or the data set name specified in the LIBRARY definition, and correct the error. The data set must have partitioned organization (PDS or PDSE) and a record format of unspecified (RECFM=U).

Module:
**XMEOUT parameters/Message inserts**

1. applid
2. dsname
3. libname
4. Value chosen from the following options:
   - 1=not DASD volume,
   - 2=not partitioned organization,
   - 3=record format is not set to unspecified

**Destination**

Console

DFHL0733  applid Install of LIBRARY libname for application applicationname, version majorversion.minorversion.microversion on platform platformname encountered an error. The LIBRARY is installed but disabled.

**Explanation**

Install of the dynamic LIBRARY resource libname for application applicationname, version majorversion.minorversion.microversion on platform platformname has completed but has not done so successfully. One of the steps required to complete successful install of a dynamic LIBRARY resource has failed. Due to the error, the LIBRARY has been installed with an enablement status of Disabled.

**System action**

Disabled status means that the LIBRARY will not be searched when program artifacts are loaded, so that program artifacts that reside in the data sets defined for the LIBRARY will not be loaded from this LIBRARY.

**User response**

Examine the console log for one or more messages indicating the failure that occurred during install processing for this LIBRARY. You should plan to resolve the problem before attempting to SET the LIBRARY to Enabled.

**Module:**

DFHLDB2

**XMEOUT parameters/Message inserts**

1. applid
2. libname
3. applicationname
Destination

Console

DFHLD0735  

**Explanation**

An attempt to install or enable LIBRARY `libname` for application `applicationname` version `majorversion.minorversion.microversion` on platform `platformname` encountered an error. The LIBRARY is disabled.

**System action**

The LIBRARY will not be searched when program artifacts are loaded, meaning that program artifacts that reside in the data sets defined for the LIBRARY will not be loaded from this LIBRARY.

**User response**

Examine the console log for one or more messages indicating the failure that occurred when attempting to enable this LIBRARY. When the problem has been resolved, repeat the attempt to SET the LIBRARY to Enabled.

**Module:**
DFHLDLB3

**XMEOUT parameters/Message inserts**

1. **applid**
2. **libname**
3. **applicationname**
4. **majorversion**
5. **minorversion**
6. **microversion**
7. **platformname**
8. **dsname**

Destination

Console

DFHLD0736  

**Explanation**

LIBRARY `libname` for application `applicationname` version `majorversion.minorversion.microversion` on platform `platformname` is taking longer than expected to install or enable because one of the data sets in the LIBRARY definition, `dsname`, has been migrated and has to be recalled before the processing can complete.

**System action**

The install or enable of LIBRARY `libname` will be delayed until data set `dsname` has been recalled.

**User response**

None.

**Module:**
DFHLDLB2, DFHLDLB3

**Destination**

Console

DFHLD0737  

**Explanation**

An attempt to enable LIBRARY `libname` for application `applicationname` version `majorversion.minorversion.microversion` on platform `platformname` to Enabled has failed. One of the steps required to successfully enable a dynamic LIBRARY resource has failed. Due to the error, the LIBRARY remains Disabled, and will not participate in the search order used when loading programs and program artifacts. This error can occur as a result of setting the enabled status of a LIBRARY.

**System action**

The LIBRARY will not be searched when program artifacts are loaded, meaning that program artifacts that reside in the data sets defined for the LIBRARY will not be loaded from this LIBRARY.

**User response**

Examine the console log for one or more messages indicating the failure that occurred when attempting to enable this LIBRARY. When the problem has been resolved, repeat the attempt to SET the LIBRARY to Enabled.
Explanation

An attempt to set the enablement status of the dynamic LIBRARY resource libname for application applicationname version majorversion.minorversion.microversion on platform platformname to Disabled has encountered an error. One of the steps required to successfully complete disable processing for a dynamic LIBRARY resource has failed.

System action

The LIBRARY is set to Disabled status, and will not participate in the search order used when loading programs and program artifacts. However, maintenance operations on the LIBRARY, such as compression of a data set within the LIBRARY concatenation, might not be allowed.

User response

Examine the console log for one or more messages indicating the failure that occurred when attempting to disable this LIBRARY. When the problem has been resolved, repeat the attempt to SET the LIBRARY to Disabled.

Module:

DFHLDLB3

XMEOUT parameters/Message inserts

1. applid
2. libname
3. applicationname
4. majorversion
5. minorversion
6. microversion
7. platformname

Destination

Console

DFHLD0738 applid Dynamic allocation of data set dsname for LIBRARY libname for application applicationname, version majorversion.minorversion.microversion on platform platformname failed. DYNALLOC return codes: X'rrrr',X'cccc',X'dddd'.

Explanation

While installing or enabling dynamic LIBRARY libname for application applicationname version majorversion.minorversion.microversion on platform platformname, an attempt to dynamically allocate data set dsname has failed. The DYNALLOC macro failed with return code rrr. cccc is the SVC 99 error reason code, and dddd is the additional SVC 99 error information code.

System action

CICS continues with LIBRARY libname disabled. Programs will not be loaded from this LIBRARY.

User response

For the meaning of the DYNALLOC return codes, see the z/OS MVS Programming: Authorized Assembler Services Guide.

Module:

DFHLDLB2, DFHLDLB3

XMEOUT parameters/Message inserts

1. applid
2. dsname
3. libname
4. applicationname
5. majorversion
6. minorversion
7. microversion
8. platformname
9. X'rrrr'
10. X'cccc'
11. X'dddd'

Destination

Console

DFHLD0739 applid Dynamic concatenation of data sets for LIBRARY libname of application applicationname, version majorversion.minorversion.microversion on platform platformname failed. DYNALLOC return codes: X'rrrr',X'cccc',X'dddd'.

Explanation

While installing or enabling dynamic LIBRARY libname for application applicationname version majorversion.minorversion.microversion on platform platformname, an attempt to dynamically allocate data set dsname has failed. The DYNALLOC macro failed with return code rrr. cccc is the SVC 99 error reason code, and dddd is the additional SVC 99 error information code.

System action

CICS continues with LIBRARY libname disabled. Programs will not be loaded from this LIBRARY.

User response

For the meaning of the DYNALLOC return codes, see the z/OS MVS Programming: Authorized Assembler Services Guide.

Module:

DFHLDLB2, DFHLDLB3

XMEOUT parameters/Message inserts

1. applid
2. dsname
3. libname
4. applicationname
5. majorversion
6. minorversion
7. microversion
8. platformname
9. X'rrrr'
10. X'cccc'
11. X'dddd'

Destination

Console
majorversion.minorversion.microversion on platform platformname, an attempt to dynamically concatenate data sets in the LIBRARY has failed. The DYNALLOC macro failed with return code rrrr. cccc is the SVC 99 error reason code, and dddd is the additional SVC 99 error information code.

**System action**
CICS continues with LIBRARY libname disabled. Programs will not be loaded from this LIBRARY.

**User response**
For the meaning of the DYNALLOC return codes, see the z/OS MVS Programming: Authorized Assembler Services Guide.

**Module:**
DFHLDLB2, DFHLDLB3

**XMEOUT parameters/Message inserts**
1. applid
2. libname
3. applicationname
4. majorversion
5. minorversion
6. microversion
7. platformname
8. X'rrrr'
9. X'cccc'
10. X'dddd'

**Destination**
Console

**Explanation**
An attempt to dynamically unallocate (deallocate) data set dsname for dynamic LIBRARY libname for application applicationname version majorversion.minorversion.microversion on platform platformname has failed. The DYNALLOC macro failed with return code rrrr. cccc is the SVC 99 error reason code, and dddd is the additional SVC 99 error information code. This error can occur while disabling the LIBRARY, either as a result of a specific SET LIBRARY DISABLED request, or while backing out an unsuccessful install or enable of the LIBRARY. This error can also occur while discarding the LIBRARY, if a previous attempt to disable the LIBRARY had encountered an error.
**System action**
CICS continues with LIBRARY *libname* still installed and disabled.

**User response**
For the meaning of the DYNALLOC return codes, see the z/OS MVS Programming: Authorized Assembler Services Guide.

**Module:**
DFHLDLB2, DFHLDLB3

**XMEOUT parameters/Message inserts**
1. *applid*
2. *dsname*
3. *libname*
4. *applicationname*
5. *majorversion*
6. *minorversion*
7. *microversion*
8. *platformname*
9. *X'cccc'*
10. *X'rrrr'*
11. *X'dddd'*

**Destination**
Console

---

**Explanation**
An attempt to dynamically deconcatenate data sets for LIBRARY *libname* of application *applicationname*, version *majorversion*.minorversion.microversion* on platform *platformname* has failed. DYNALLOC return codes: *X'rrrr',X'cccc',X'dddd'*.

---

**System action**
CICS continues and LIBRARY *libname* remains installed and disabled.

**User response**
For the meaning of the DYNALLOC return codes, see the z/OS MVS Programming: Authorized Assembler Services Guide.

**Module:**
DFHLDLB2, DFHLDLB3

**XMEOUT parameters/Message inserts**
1. *applid*
2. *libname*
3. *applicationname*
4. *majorversion*
5. *minorversion*
6. *microversion*
7. *platformname*
8. *X'rrrr'*
9. *X'cccc'*
10. *X'dddd'*

**Destination**
Console

---

**Explanation**
An attempt to close the DD for dynamic LIBRARY *libname* for application *applicationname* version *majorversion*.minorversion.microversion* on platform *platformname* has failed. This error can occur while disabling the LIBRARY, either as a result of a specific SET LIBRARY DISABLED request, or while backing out an unsuccessful install or enable of the LIBRARY. This error can also occur while discarding the LIBRARY, if a previous attempt to disable the LIBRARY had encountered an error.
System action
CICS continues processing, and LIBRARY libname remains installed and disabled.

User response
VSAM will have issued a console error message. Use the information in the VSAM message to solve the problem.

Module:
DFHLDLB2, DFHLDLB3

XMEOUT parameters/Message inserts
1. applid
2. libname
3. applicationname
4. majorversion
5. minorversion
6. microversion
7. platformname

Destination
Console

DFHL0744 applid An MVS ABEND occurred during {Getmain of LIBRARY control area | Dynamic allocation | Dynamic concatenation | Open | Close | Dynamic deconcatenation | Dynamic unallocation | Freemain of LIBRARY control area} for LIBRARY libname of application applicationname, version majorversion.minorversion.microversion on platform platformname.

Explanation
An attempt to perform an operation for dynamic LIBRARY libname for application applicationname version majorversion.minorversion.microversion on platform platformname caused an MVS abend condition. The message indicates the operation which resulted in the abend. This may indicate an error in the definition of the dynamic LIBRARY.

System action
CICS continues processing, but LIBRARY libname is either disabled or not installed, and programs will not be loaded from this LIBRARY.

User response
The operating system will have issued console error messages describing the abend condition. This can be accompanied by the CICS error message DFHL0001. Use this information to solve the problem. Possible causes of this error include, but are not limited to:

• A data set has been specified in the LIBRARY definition which is not a valid PDS or PDSE data set.
• The system does not have read access to a data set in the LIBRARY. Look for a message from a security manager, such as RACF, which indicates the data set for which there is an access failure.
• In the LIBRARY concatenation the total number of PDSEs and PDS extents exceeded the limit of 255.
• An I/O error occurred while processing a LIBRARY data set.
• A system error occurred while processing an SVC. The abend code will be of the form Fnn for an SVC call nn.
• CICS internal error occurred; for example, a program check.

Module:
DFHLDLB2, DFHLDLB3

XMEOUT parameters/Message inserts
1. applid
2. Value chosen from the following options:
   1=Getmain of LIBRARY control area,
   2=Dynamic allocation,
   3=Dynamic concatenation,
   4=Open,
   5=Close,
   6=Dynamic deconcatenation,
   7=Dynamic unallocation,
   8=Freemain of LIBRARY control area
3. libname
4. applicationname
5. majorversion
6. minorversion
7. microversion
8. platformname

Destination
Console
Explanation

While installing or enabling dynamic LIBRARY libname for application applicationname version majorversion.minorversion.microversion on platform platformname, CICS was unable to determine the validity of data set dsname for the reason shown in the message. Either the LOCATE macro, or the OBTAIN macro, failed with return code rc, or a CICS internal error was encountered.

System action

CICS continues with LIBRARY libname disabled. Programs will not be loaded from this LIBRARY.

User response

For the meaning of the LOCATE or OBTAIN return codes, see z/OS DFSMSdfp Advanced Services. In the case of an internal error, contact the IBM Support Center providing the CICS joblog output.

Module:
DFHLDLB2, DFHLDLB3

XMEOUT parameters/Message inserts

1. applid
2. dsname
3. libname
4. applicationname
5. majorversion
6. minorversion
7. microversion
8. platformname
9. Value chosen from the following options:
   1=LOCATE error. LOCATE macro ,
   2=OBTAIN error. OBTAIN macro ,
   3=not enough working storage. Loader SVC ,
   4=CICS internal error. Loader SVC
10. X’rc’

Destination

Console

DFHLD0746 applid Data set dsname could not be allocated for LIBRARY libname of application applicationname, version majorversion.minorversion.microversion on platform platformname because it is not valid for a dynamic LIBRARY. Reason: (not DASD volume / not partitioned organization / record format is not set to unspecified).

Explanation

While installing or enabling dynamic LIBRARY libname for application applicationname version majorversion.minorversion.microversion on platform platformname, CICS determined that the data set dsname was not valid for use in a dynamic LIBRARY for the reason shown in the message.

System action

CICS continues with LIBRARY libname disabled. Programs will not be loaded from this LIBRARY.

User response

Check the data set location and organization, or the data set name specified in the LIBRARY definition, and correct the error. The data set must have partitioned organization (PDS or PDSE) and a record format of unspecified (RECFM=U).

Module:
DFHLDLB2, DFHLDLB3

XMEOUT parameters/Message inserts

1. applid
2. dsname
3. libname
4. applicationname
5. majorversion
6. minorversion
7. microversion
8. platformname
9. Value chosen from the following options:
   1=not DASD volume,
   2=not partitioned organization,
   3=record format is not set to unspecified

**Destination**
Console

**DFHLD0747** applid A security failure occurred during Open for LIBRARY libname.

**Explanation**
A security failure occurred during open processing for dynamic LIBRARY libname. This may indicate an error in the definition of the dynamic LIBRARY.

**System action**
CICS continues processing, but LIBRARY libname is disabled and programs will not be loaded from this LIBRARY.

**User response**
The security manager will have issued security messages describing the failure.

**Module:**
DFHLDLB2, DFHLDLB3

**XMEOUT parameters/Message inserts**
1. applid
2. libname
3. applicationname
4. majorversion
5. minorversion
6. microversion
7. platformname

**Destination**
Console and CSLB

**DFHLD0800 E** applid CLDM failed due to CICS command error.
EIBFN=X'eibfn', RESP=resp, RESP2=resp2. Instance=instance.

**Explanation**
The CICS module mapping program encountered an unexpected response to a CICS command. eibfn identified the CICS EIB function code for the failing command. resp identified the CICS EIB RESP value for the failing command. resp2 identified the CICS EIB RESP2 value for the failing command. instance is a value that can be used by IBM support to identify the command being issued.

**System action**
The CLDM transaction terminates.

**User response**
Check the resp and resp2 values for the specified eibfn and take the necessary action.

**Module:**
DFHLDMAP, DFHLDMHF, DFHLDMHS, EYU9XLLM
XMEOUT parameters/Message inserts

1. applid
2. 'eibfn'
3. resp
4. resp2
5. instance

Destination
Console and Terminal End User

DFHLD0801 E   applid CLDM bad STARTCODE.

Explanation
The CLDM transaction was started in an unexpected manner. If the main CICS loader mapping module program, DFHLDMAP, is not called with an appropriate container, then the CLDM transaction expects to be started from a terminal with data.

System action
The CLDM transaction terminates.

User response
Start CLDM with the necessary parameters depending on the invocation method.

Module:
DFHLDMAP

XMEOUT parameters/Message inserts

1. applid

Destination
Console and Terminal End User

DFHLD0802 E   applid CLDM invalid input. Format is CLDM PATH=value or CLDM SYSOUT=value. Instance=instance.

Explanation
The input to CLDM is invalid.

System action
The CLDM transaction terminates.

User response
Start CLDM with valid input. See the CICS Supplied Transactions description of CLDM for valid input values.

Module:
DFHLDMAP

XMEOUT parameters/Message inserts

1. applid

Destination
Console and Terminal End User

DFHLD0803 E   applid CLDM CICS kernel inquire error.

Explanation
The CLDM transaction could not locate the required CICS kernel areas.

System action
The CLDM transaction terminates.

User response
Check the version of the DFHLDMAP program in use is the correct one for the CICS release. If the configuration is correct contact the IBM Support Center.

Module:
DFHLDMAP

XMEOUT parameters/Message inserts

1. applid

Destination
Console and Terminal End User

DFHLD0804 E   applid CLDM CICS kernel anchor error.

Explanation
The CLDM transaction could not locate the required CICS kernel areas.

System action
The CLDM transaction terminates.
User response
Check the version of the DFHLDMAP program in use is the correct one for the CICS release. If the configuration is correct contact the IBM Support Center.

Module:
DFHLDMAP

XMEOUT parameters/Message inserts
1. applid

Destination
Console and Terminal End User

DFHLD0805 E applid CLDM output format routine, program, failed.

Explanation
The CLDM output routine program returned a failure response to DFHLDMAP.

System action
The CLDM transaction terminates.

User response
Check the versions of the DFHLDMAP, DFHLDMHF, and DFHLDMHS are correct and match the release in use.

Module:
DFHLDMAP

XMEOUT parameters/Message inserts
1. applid
2. program

Destination
Console and Terminal End User

DFHLD0806 E applid CLDM file system write failed. RETCODE=X'retcode' (usserr), RSNCODE=X'rsncode', FILE=file.

Explanation
An error occurred while writing to the z/OS UNIX System Services file system where: retcode is the BPX1WRT return code. usserr is the name of the return code. rsncode is the BPX1WRT reason code. file is the name of the file being written to.

System action
The CLDM transaction terminates.

User response
Using the response information provided in the message, check the BPX1WRT (write) description in the z/OS UNIX System Services Programming Assembler Callable Services Reference for details of the error.

Module:
DFHLDMHF

XMEOUT parameters/Message inserts
1. applid
2. X'retcode'
3. usserr
4. X'rsncode'
5. file

Destination
Console and Terminal End User

DFHLD0807 E applid CLDM file system open failed. RETCODE=X'retcode' (usserr), RSNCODE=X'rsncode', FILE=file.

Explanation
An error occurred while opening a z/OS UNIX System Services file where: retcode is the BPX1OPN return code. usserr is the name of the return code. rsncode is the BPX1OPN reason code. file is the name of the file being opened.

System action
The CLDM transaction terminates.

User response
Using the response information provided in the message, check the BPX1OPN (open) description in the z/OS UNIX System Services Programming Assembler Callable Services Reference for details of the error.

Module:
DFHLDMHF

XMEOUT parameters/Message inserts
1. applid
2. X'retcode'
3. usserr
4. X'rsncode'
5. file

**Destination**
Console and Terminal End User

DFHLD0808 E applid CLDM file system close failed. RETCODE=X'retcode' (usserr), RSNCODE=X'rsncode', FILE=file.

**Explanation**
An error occurred while closing a z/OS UNIX System Services file where: retcode is the BPX1CLO return code. usserr is the name of the return code. rsncode is the BPX1CLO reason code. file is the name of the file being closed.

**System action**
The CLDM transaction terminates.

**User response**
Using the response information provided in the message, check the BPX1CLO (close) description in the z/OS UNIX System Services Programming Assembler Callable Services Reference for details of the error.

**Module:** DFHLDMHF

**XMEOUT parameters/Message inserts**
1. applid
2. X'retcode'
3. usserr
4. X'rsncode'
5. file

**Destination**
Console and Terminal End User

DFHLD0810 E applid CLDM absolute path name required.

**Explanation**
The PATH operand of the CLDM transaction must be an absolute path and begin with a /.

**System action**
The CLDM transaction terminates.

**User response**
Enter the CLDM transaction again and specify an absolute PATH operand.

**Module:** DFHLDMHF

**XMEOUT parameters/Message inserts**
1. applid

**Destination**
Console and Terminal End User

DFHLD0811 I applid CLDM complete. recordnum data records output.

**Explanation**
The CLDM request has completed. recordnum data records written to the output destination.

**System action**
The CLDM transaction completes.
DFHLDMAP

XMEOUT parameters/Message inserts
1. applid
2. recordnum

Destination
Console and Terminal End User

DFHLD0812 E applid CLDM unable to obtain loader domain state lock.

Explanation
The CLDM transaction was unable to obtain the necessary loader domain locks to capture the data required for processing.

System action
The CLDM transaction terminates.

User response
Check the version of the DFHLDMAP program in use is the correct one for the CICS release. If the configuration is correct contact the IBM Support Center.

Module: DFHLDMAP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. bundlename
5. library
6. Value chosen from the following options:
   1=Enabled,
   2=Disabled

Destination
CSLB

DFHLD0850 date time applid BUNDLE bundlename has successfully installed LIBRARY library as {Enabled | Disabled}.

Explanation
The CICS bundle bundlename has successfully installed library library. The reason for the error is also given.

System action
The BUNDLE resource is disabled and the LIBRARY is not created.

User response
Investigate and correct the cause of the failure. Check for any previous messages which may give you more information about the reason for the failure as follows:

- definition is invalid
  Check for a preceding DFHCAnnnn message. For example DFHCA5555 is output if no DSNAMEn attribute is specified.

- installation failure
  Check for a preceding DFHAMnnnn console message. For example DFHAM4950 is output if a LIBRARY with the same name already exists.

Discard and reinstall the BUNDLE resource.
Module: DFHLDRL

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. bundlename
5. library
6. Value chosen from the following options:
   1=the definition is invalid,
   2=of an installation failure,
   3=an internal error occurred

Destination
CSLB

DFHLD0852  date time applid Library name was not specified or is too long in BUNDLE bundlename.

Explanation
The CICS bundle bundlename has failed to install a LIBRARY because the resource name was not specified or was too long.

DFHLGnnnn messages

DFHLG0001  applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, OC1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.
Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If you cannot continue without the full use of module modname you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHLGDM, DFHLGGL, DFHLGLD, DFHLGJN, DFHLGST
DFHL2HS2, DFHL2HS3, DFHL2HS4, DFHL2HS5, DFHL2HS6, DFHL2HS7, DFHL2HS8, DFHL2HS9, DFHL2HSF, DFHL2HSG, DFHL2HSJ

**XMEOUT parameters/Message inserts**

1. applid
2. aaa/bbbb
3. X'offset'
4. modname

**Destination**
Console

DFHLG0002 applid A severe error (code X'code') has occurred in module modname.

**Explanation**
An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

**System action**
An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot continue without the full use of module modname, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHLGDM, DFHLGGL, DFHLGLD, DFHLGJN, DFHLGST

**XMEOUT parameters/Message inserts**

1. applid
2. X'code'
3. modname

**Destination**
Console

DFHLG0004 applid A possible loop has been detected at offset X'offset' in module modname.

**Explanation**
A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

**System action**
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.
Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently, but you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHLGLB

**XMEOUT parameters/Message inserts**

1. *applid*
2. *X'offset'*
3. *modname*

**Destination**

Console

**DFHLG0101I**

*applid* Log manager domain initialization has started.

**Explanation**

This is an informational message indicating the start of log manager domain initialization.

**System action**

Initialization continues.

**User response**

None. You can suppress this message with the system initialization parameter, MSGlvl=0.

**Module:**

DFHLGDM

**XMEOUT parameters/Message inserts**

1. *applid*

**Destination**

Console

**DFHLG0102I**

*applid* Log manager domain initialization has ended.

**Explanation**

This is an informational message indicating the end of log manager domain initialization.

**System action**

Initialization continues.

**User response**

None. You can suppress this message with the system initialization parameter, MSGlvl=0.

**Module:**

DFHLGDM

**XMEOUT parameters/Message inserts**

1. *applid*

**Destination**

Console

**DFHLG0103I**

*applid* System log (*journalname*) initialization has started.

**Explanation**

This is an informational message indicating the start of system log initialization for the specified journal (either DFHLOG or DFHSHUNT).

**System action**

Initialization continues.
User response
None. You can suppress this message with the system initialization parameter, MSGGLVL=0.

Module:
DFHL2SLN

XMEOUT parameters/Message inserts
1. applid
2. journalname

Destination
Console

DFHLG0104I applid System log (journalname) initialization has ended. Log stream logstreamname is connected to structure structurename.

Explanation
This is an informational message indicating the end of system log initialization for the specified journal (either DFHLOG or DFHSHUNT).

The name shown as LOGSTREAMNAME(logstreamname) in the message is the name of the log stream associated with this journal. A value of '*****************' implies that it is a dummy log.

The name shown as STRUCTNAME(structname) in the message is the structure name of the log stream associated with this journal. A value of '*****************' implies that it has no related structure, which means that either the log stream is a dummy log or of type DASDONLY(YES).

System action
Initialization continues.

User response
None. You can suppress this message with the system initialization parameter, MSGGLVL=0.

Module:
DFHL2SLN

XMEOUT parameters/Message inserts
1. applid
2. journalname
3. logstreamname

DFHLG0192 ERROR IN MVS LOGGER MACRO macro_name FOR REQUEST
Explanation
The CICS subsystem exit made a call to the MVS logger to access a log. This message gives the return code and reason code for that operation. Usually this message is issued only when the return code indicates an error in the MVS logger macro.

The message includes the following inserts:
- macro_name MVS logger macro
- request_type MVS logger macro REQUEST parameter
- return-code MVS logger macro return code
- reason-code MVS logger macro reason code.

For further guidance, see the z/OS MVS Programming: Assembler Services Reference ABE-HSP.

System action
The subsystem exit terminates the logstream read, and passes a return code back to the caller.

This message is followed by message DFHLG0193 which specifies the logstream. In some cases a dump is also produced.

User response
Use the MVS logger return and reason codes to diagnose the problem. If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Destination
Console

DFHLG0193 log-stream-name

Explanation
This message gives the logstream referred to in the preceding DFHLG0192 message.

System action
See message DFHLG0192.

User response
See message DFHLG0192.
**System action**
The CICS subsystem exit continues to access the log. This message is followed by message DFHLG0196.

**User response**
For further guidance on the IxgRsnCodeWarningGap reason code see the z/OS MVS Programming: Assembler Services Reference ABE-HSP. Use the blockid and the timestamp reported in DFHLG0196 to investigate further if required. The warning may be the result of known activity that has deleted log data from the log.

*Module:* DFHLGIGT

**Destination**
Console

**DFHLG0196**

STCK OF BLOCK AFTER GAP (time format): X'data1'

**Explanation**
This message is issued in association with message DFHLG0195. It provides the timestamp from the blockid header corresponding to the block read after the reported gap.

**System action**
See message DFHLG0195.

**User response**
See message DFHLG0195.

*Module:* DFHLGIGT

**Destination**
Console

**DFHLG0197**

The CICS LOGR subsystem has detected an error. This might be caused by incorrect JCL.

**Explanation**
The CICS LOGR subsystem exit detected an unexpected error, which may be caused by incorrect JCL.

**System action**
The subsystem exit issues this message and continues processing.

**User response**
Check that DCB=BLKSIZE=32760 is coded against the logstream in the JCL for the failing batch job. More specifically, it must not be DCB=RECFM=VB. The following JCL fragment shows a valid specification: //LSN DD DSN=HGPRICE.IYK2Z9S1.DFHJ98, // DCB=BLKSIZE=32760, // SUBSYS=(LOGR,DFHLGCNV, // 'FROM=(2005/181,16:00:00),TO=(2008/181,16:30:00)')

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

*Module:* DFHLGSSI, DFHLGIGT

**Destination**
Console

**DFHLG0301**

An error has been detected for log stream stream which is used by journal journalname. The journal status has been set to FAILED.

**Explanation**
An error has been detected for log stream stream which is used by journal journalname.

**System action**
An exception entry is made in the trace table.

CICS marks the journal as failed and ends the associated connection with the log stream. Applications which attempt to use the journal receive an IOERROR response and may terminate abnormally.

**User response**
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

See the associated messages issued by CICS or the MVS system logger for more information and for guidance about appropriate recovery actions.
If journal \textit{journalname} is not crucial to the running of your CICS system, you may decide to continue.

If the problem with the log stream can be resolved, use of the journal can be restored by issuing \texttt{SET JOURNALNAME(journalname) ACTION(RESET)} via the CEMT or EXEC CICS interfaces.

If you cannot continue without the full use of journal \textit{journalname} you should bring CICS down in a controlled shutdown.

\textbf{Module:} DFHLGJN

\textbf{XMEOUT parameters/Message inserts}

1. \texttt{date}
2. \texttt{time}
3. \texttt{applid}
4. \texttt{stream}
5. \texttt{journalname}

\textbf{Destination}

CSMT

\textbf{DFHLG0302} \texttt{date time applid} Journal name \textit{journalname} has been installed. Journal type: \{MVS | SMF | DUMMY\} \texttt{stream}.

\textbf{Explanation}

Journal name \textit{journalname} has been installed and is available for use. The type of journal, and for type MVS only, the log stream name \texttt{stream} are also shown.

\textbf{System action}

An event entry is made in the trace table.

\textbf{User response}

None

\textbf{Module:} DFHLGJN

\textbf{XMEOUT parameters/Message inserts}

1. \texttt{date}
2. \texttt{time}
3. \texttt{applid}
4. \texttt{journalname}
5. Value chosen from the following options:
6. \texttt{stream}

\textbf{Destination}

CRDI

\textbf{DFHLG0303} \texttt{date time applid} An error has been detected while connecting to log stream \texttt{stream} for journal name \textit{journalname}. The journal status has been set to FAILED.

\textbf{Explanation}

An error has been detected connecting to log stream \texttt{stream} which is used by journal \textit{journalname}.

\textbf{System action}

An exception entry is made in the trace table.

CICS marks the journal as failed. Applications which attempt to use the journal receive an IOERROR response and may terminate abnormally.

\textbf{User response}

Notify the system programmer.

See the associated messages issued by CICS or the MVS system logger for more information and for guidance about appropriate recovery actions.

If CICS is still running, it is necessary to decide whether to terminate CICS.

If journal \textit{journalname} is not crucial to the running of your CICS system, you may decide to continue.

If the problem with the log stream can be resolved, use of the journal can be restored by issuing the CEMT \texttt{SET JOURNALNAME(journalname) RESET} or the EXEC CICS \texttt{SET JOURNALNAME(journalname) RESET} command.

If you cannot continue without the full use of journal \textit{journalname} you should bring CICS down in a controlled shutdown.

\textbf{Module:} DFHLGJN

\textbf{XMEOUT parameters/Message inserts}

1. \texttt{date}
2. \texttt{time}
An error has been detected writing the catalog entry for journal name journalname.

System action
An exception entry is made in the trace table.

User response
Notify the system programmer.

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. journalname

Module:
DFHLGJN

Explanation
An error has been detected writing the global catalog entry for journal journalname.

System action
An exception entry is made in the trace table.

User response
Notify the system programmer.

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. journalname

Module:
DFHLGJN

Explanation
Journal name journalname has been discarded.

System action
An event entry is made in the trace table.

User response
None.

Module:
DFHLGJN

XMEOUT parameters/Message inserts
1. date
2. time

Explanation
An error has been detected deleting the catalog entry for journal name journalname.

System action
An exception entry is made in the trace table.

User response
Notify the system programmer.

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. journalname

**Destination**
CRDI

**DFHLG0401** *date time applid* Journal model resource *journalmodel* has been installed.

**Explanation**
The journal model resource entry *journalmodel* has been installed and is available for use.

**System action**
An event entry is made in the trace table.

**User response**
None.

**Module:**
DFHLGLD

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *journalmodel*

**Destination**
CRDI

**DFHLG0402** *date time applid* An error has been detected writing the catalog entry for journal model *journalmodel*.

**Explanation**
An error has been detected writing the global catalog entry for journal model *journalmodel*.

**System action**
An exception entry is made in the trace table.
The new journal model entry is used for this CICS run but does not persist over a CICS restart.

**User response**
Notify the system programmer.

See the associated CICS messages for more information and for guidance about appropriate recovery actions.
If you cannot continue without the full use of journal model *journalmodel* you should bring CICS down in a controlled shutdown.

**Module:**
DFHLGJN

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. journalmodel

Destination
CSMT

DFHLG0404 date time applid Journal model resource journalmodel1 has been replaced by journalmodel2.

Explanation
A journal model resource entry has been replaced because journal model journalmodel2 has the same journal name template as journalmodel1.

System action
An event entry is made in the trace table.

User response
None.

Module: DFHLGLD

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. journalmodel

Destination
CRDI

DFHLG0501 date time applid Log stream definition for stream suppressed by XLGSTRM user exit.

Explanation
MVS log stream stream does not exist but could not be defined because the XLGSTRM user exit suppressed automatic installation.

System action
An exception entry is made in the trace table.

User response
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Define the log stream directly to the MVS system logger.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, reopen the associated data sets.

If you cannot continue without the full use of log stream stream, you should bring CICS down in a controlled shutdown.

Module: DFHLGST

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. stream

Destination
CRDI and Console

**DFHLG0502** date time applid Log stream stream defined to MVS using model stream model.

Explanation
MVS log stream stream did not exist and has been successfully defined to the MVS system logger using the attributes of model log stream model.

System action
An event entry is made in the trace table. The trace entry contains additional diagnostic information from the system logger answer area (IXGANSAA).

CICS cannot define or connect to the log stream so applications which attempt to use the stream receive an error response and may terminate abnormally.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, the associated data sets should be reopened.

If you cannot continue without the full use of log stream stream you should bring CICS down in a controlled shutdown. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHLGST

**XMEOUT parameters/Message inserts**
1. date
date
2. time
time
3. applid
applid
4. stream
stream
5. model
model

Destination
CRDI

**DFHLG0503** date time applid Log stream stream, using model stream model, not defined to MVS for reason X'rc'/X'reason'.

Explanation
MVS log stream stream does not exist and could not be defined to the MVS system logger using the attributes of model log stream model for reason X'rc'/X'reason'.

X'rc' is the return code from the IXGINVNT macro and X'reason' is the reason code returned by the IXGINVNT macro. These are described in the z/OS MVS Programming: Assembler Services Reference ABE-HSP and in the IXGCON macro.

**System action**
An event entry is made in the trace table. The trace entry contains additional diagnostic information from the system logger answer area (IXGANSAA).

CICS cannot define or connect to the log stream so applications which attempt to use the stream receive an error response and may terminate abnormally.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, the associated data sets should be reopened.

If you cannot continue without the full use of log stream stream you should bring CICS down in a controlled shutdown. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHLGST

**XMEOUT parameters/Message inserts**
1. date
date
2. time
time
3. applid
applid
4. stream
stream
5. model
model
6. X'rc'
X'rc'
7. X'reason'
X'reason'

Destination
CSMT and Console

**DFHLG0504** date time applid Log stream stream using model stream model not defined to MVS due to insufficient authority.
Explanation
MVS log stream stream does not exist and could not be defined to the MVS system logger using the attributes of model log stream model because of insufficient authority.

To define a log stream CICS requires the following authority:

- ALTER authority to stream in the LOGSTRM class,
- UPDATE authority to model in the LOGSTRM class,
- UPDATE authority to resource IXLSTR.structure_name in the FACILITY class if the XLGSTRM exit supplies a structure name.

System action
An event entry is made in the trace table.
CICS cannot define or connect to the log stream so applications which attempt to use the stream receive an error response and may terminate abnormally.

User response
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, reopen the associated data sets.

If you cannot continue without the full use of log stream stream you should bring CICS down in a controlled shutdown.

Module:
DFHLGST

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. stream
5. model

Destination
CSMT and Console

DFHLG0505 date time applid Log stream stream using model stream model not defined to MVS because of an invalid HLQ parameter.

Explanation
MVS log stream stream does not exist and could not be defined to the MVS system logger using the attributes of model log stream model because of an invalid high level qualifier (HLQ) parameter.

The HLQ parameter specifies the high level qualifier to be used for log stream data sets.

System action
An event entry is made in the trace table.
CICS cannot define or connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

User response
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

Correct the HLQ parameter in the model logger definition or the XLGSTRM exit, or both.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, the associated data sets should be reopened.

If you cannot continue without the full use of log stream stream, you should bring CICS down in a controlled shutdown.

Module:
DFHLGST

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
Destination
CSMT and Console

**Explanation**
MVS log stream *stream* does not exist and could not be defined to the MVS system logger using the attributes of model log stream *model* because of insufficient space in the MVS system logger’s LOGR couple data set.

**System action**
An event entry is made in the trace table. CICS cannot define or connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

**User response**
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream *stream* is not crucial to the running of your CICS system, you may decide to continue.

Redefine the MVS system logger’s LOGR couple data set to contain space for this log stream and for future requirements.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing SET JOURNALNAME(*journalname*) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, the associated data sets should be reopened.

If you cannot continue without the full use of log stream *stream*, you should bring CICS down in a controlled shutdown.

**Module:**
DFHLGST

---

**Explanation**
MVS log stream *stream* does not exist and could not be defined to the MVS system logger using the attributes of model log stream *model* because the maximum number of log streams for the coupling facility structure has been reached.

The maximum number of streams per structure is specified in the LOGSNUM parameter when defining a structure to the MVS system logger.

**System action**
An event entry is made in the trace table. CICS cannot define or connect to the log stream so applications which attempt to use the stream receive an error response and may terminate abnormally.

**User response**
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream *stream* is not crucial to the running of your CICS system, you may decide to continue.

Change the STRUCTNAME parameter in the *model* logger definition or the XLGSTRM exit to point to a structure that has room for more streams or delete unneeded streams from the current structure.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, you can restore the use of an associated journal by issuing SET JOURNALNAME(*journalname*) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, reopen the associated data sets.
If you cannot continue without the full use of log stream stream, you should bring CICS down in a controlled shutdown.

**Module:** DFHLGST

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *stream*
5. *model*

**Destination**

CSMT and Console

**DFHLG0508**

`date time applid Log stream stream not defined to MVS because model stream model does not exist.`

**Explanation**

MVS log stream *stream* could not be defined to the MVS system logger because the model log stream *model* does not exist.

**System action**

An event entry is made in the trace table.

CICS cannot define or connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

**User response**

Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream *stream* is not crucial to the running of your CICS system, you may decide to continue.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU), or you can define the *model* log stream to the MVS logger if there are likely to be more log streams to be defined using the same model.

If the problem with the log stream can be resolved, you can restore the use of an associated journal by issuing `SET JOURNALNAME(journalname) ACTION(RESET)` via the CEMT or EXEC CICS interfaces.

If the log stream is a data set forward recovery log or autojournal, reopen the associated data sets.

---

If you cannot continue without the full use of log stream stream you should bring CICS down in a controlled shutdown.

**Module:** DFHLGST

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *stream*
5. *model*

**Destination**

CSMT and Console

**DFHLG0509**

`date time applid Log stream stream using model stream model not defined to MVS because of an invalid structure name.`

**Explanation**

MVS log stream *stream* does not exist and could not be defined to the MVS system logger using the attributes of model log stream *model* because of an invalid coupling facility structure name.

**System action**

An event entry is made in the trace table.

CICS cannot define or connect to the log stream so applications which attempt to use the stream receive an error response and may terminate abnormally.

**User response**

Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream *stream* is not crucial to the running of your CICS system, you may decide to continue.

Correct the STRUCTNAME parameter in the model logger definition or the XLGSTRM exit, or both.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, you can restore the use of an associated journal by issuing `SET JOURNALNAME(journalname) ACTION(RESET)` via the CEMT or EXEC CICS interfaces.

If the log stream is a data set forward recovery log or autojournal, reopen the associated data sets.
If you cannot continue without the full use of log stream stream you should bring CICS down in a controlled shutdown.

**Module:**
DFHLGST

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. stream
5. model

**Destination**
CSMT and Console

| DFHLG0510 | date time applid Log stream stream using model stream model not defined to MVS because of an invalid stream name. |

**Explanation**

MVS log stream stream does not exist and could not be defined to the MVS system logger using the attributes of model log stream model because stream is an invalid stream name.

**System action**

An event entry is made in the trace table.

CICS cannot define or connect to the log stream so applications which attempt to use the stream receive an error response and may terminate abnormally.

**User response**

Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

Correct the JOURNALMODEL definition used to create the stream name and DISCARD any JOURNAL definitions which refer to the stream name or, if the stream is a VSAM forward recovery log stream, correct the stream name in the VSAM data set's catalog entry.

If the problem with the log stream can be resolved, you can restore the use of an associated journal by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, reopen the associated data sets.

If you cannot continue without the full use of log stream stream you should bring CICS down in a controlled shutdown.

**Module:**
DFHLGST

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. stream
5. model

**Destination**
CSMT and Console

| DFHLG0511 | date time applid Log stream stream using model stream model not defined to MVS because STRUCTNAME parameter missing in model. |

**Explanation**

MVS log stream stream does not exist and could not be defined to the MVS system logger using the attributes of model log stream model because the model log stream definition does not contain the required STRUCTNAME parameter.

**System action**

An event entry is made in the trace table.

CICS cannot define or connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

**User response**

Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

Redefine the model log stream in the MVS system logger's LOGR couple data set using the IXCMIAPU utility ensuring the model stream definition contains the STRUCTNAME(structure_name) parameter to indicate which coupling facility structure is to be used for the log stream. Alternatively you can use the CICS exit, XLGSTRM, to supply the structure name to the MVS system logger.

Chapter 2. CICS messages 1077
You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, the associated data sets should be reopened.

If you cannot continue without the full use of log stream stream, you should bring CICS down in a controlled shutdown.

**Module:**
DFHLGST

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. stream
5. model

**Destination**
CSMT and Console

**DFHLG0512**

| date time applid Log stream stream cannot be used as both a system log and a general log. |

**Explanation**
MVS log stream stream cannot be used as both a system log and as a general log.

It is likely that a JOURNALMODEL resource definition has resulted in the same log stream name for a user journal as for the system log journal names (DFHLOG and DFHSHUNT).

Alternatively a system log stream name may have been specified in the ICF catalog as the forward recovery log stream for a VSAM data set.

**System action**
CICS cannot connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

**User response**
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

Review and correct your installed Journalmodels to ensure that the the same log stream is not used for system logs (DFHLOG and DFHSHUNT) as for other journals. Use the CEMT DISCARD JOURNALNAME() command to remove any journals that have been installed with the incorrect stream name.

**Note:**
If you change the Journalmodel definitions which apply to DFHLOG and DFHSHUNT, you will need to perform an initial start.

If the ICF catalog specifies the wrong stream name, use the IDCAMS ALTER command to correct it.

**Module:**
DFHLGST

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. stream

**Destination**
CSMT

**DFHLG0513**

| date time applid Log stream stream has failed and new connections cannot be accepted. |

**Explanation**
MVS log stream stream has been marked as failed by a previous error. The stream cannot be used again until all current users of the stream have disconnected and the problem that caused the failure has been resolved.

**System action**
CICS cannot connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

CICS continues with attempting to quiesce usage of the log stream and will disconnect from the log stream.

**User response**
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.
CICS should automatically quiesce usage of the log stream but if CEMT INQUIRE STREAM(stream) shows continued use of the log stream, you should investigate whether there are any long running transactions that are preventing the closure of files which use the log stream as a forward recovery log or autojournal.

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing the command SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, the associated data sets should be reopened.

If you cannot continue without the full use of log stream stream, you should bring CICS down in a controlled shutdown.

Module: DFHLGST

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. stream

Destination
CSMT

DFHLG0514 date time applid Log stream stream is in use by another CICS system.

Explanation
MVS log stream stream is in use by another CICS region.

General log streams can be shared between CICS regions but each CICS region must have unique system log streams.

One of the following may have occurred:
• You are running two copies of the CICS region (same APPLID)
• A JOURNALMODEL resource definition has resulted in the same log stream name for a system log as for the system log journal names (DFHLOG and DFHSHUNT) for another CICS region.
• A JOURNALMODEL resource definition has resulted in the same log stream name for a user journal as for the system log journal names (DFHLOG and DFHSHUNT).

• A system log stream name may have been specified in the ICF catalog as the forward recovery log stream for a VSAM data set.

System action
CICS cannot connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

User response
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

Use the MVS console command DISPLAY GRS,RES=(DFHSTRM,stream) to find which other CICS region or regions are using the log stream,

Review and correct your installed Journalmodels to ensure that the the same log stream is not used for system logs (DFHLOG and DFHSHUNT as for other journals. Use the command CEMT DISCARD JOURNALNAME() to remove any journals that have been installed with the incorrect stream name.

Note:
If you change the Journalmodel definitions which apply to DFHLOG and DFHSHUNT, you will need to perform an initial start.

If the ICF catalog specifies the wrong stream name, use the IDCAMS ALTER command to correct it.

Module: DFHLGST

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. stream

Destination
CSMT and Console

DFHLG0730 applid A severe error (code X'code') has occurred while opening the system log (journalname). CICS will be terminated.

Explanation
The CICS log manager has detected a severe error while opening the primary or secondary system log.
The nature of the error is indicated by a previous CICS message. The code code is the exception trace point ID which uniquely identifies the place where the error was detected.

**System action**

An exception entry is made in the trace table. A system dump is taken and CICS is terminated immediately. CICS cannot tolerate a failure of this nature for the system log.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Using the previous message as a guide, correct the problem and restart CICS, ensuring that the appropriate SIT START parameter is specified in order to maintain data integrity.

If you cannot resolve the problem, or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHL2SLN

**XMEOUT parameters/Message inserts**

1. applid
2. X'code'
3. journalname

**Destination**

Console

**Explanation**

A log stream type of SMF has been specified on the JOURNALMODEL definition for either the primary or secondary system log. JOURNALMODEL definitions for the system log must have a log stream type of either MVS or DUMMY.

**System action**

An exception entry is made in the trace table and CICS is terminated. CICS cannot operate with an SMF system log.

**User response**

Change the JOURNALMODEL definition so that a log stream type of either MVS or DUMMY is specified.

**Module:**

DFHL2SLN

**XMEOUT parameters/Message inserts**

1. applid
2. journalname
**Destination**

Console

DFHLG0734 applid A severe error (code X'code') has occurred while accessing the CICS system log. CICS will be terminated.

**Explanation**

The CICS log manager has detected a severe error while writing to or reading from the primary or secondary system log. The nature of the error is indicated by a previous CICS message. The code code is the exception trace point ID which uniquely identifies the place where the error was detected.

**System action**

An exception entry is made in the trace table, and CICS is terminated immediately. CICS cannot tolerate a failure of this nature for the system log.

**User response**

Using the previous message as a guide, correct the problem and restart CICS, specifying the SIT START parameter as AUTO.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHL2SLE

**XMEOUT parameters/Message inserts**

1. applid
2. Value chosen from the following options:
   1=writing to,
   2=reading from
3. journalname

**Destination**

Console

DFHLG0735 applid A failure has occurred while reading from the system log (journalname). The requested data could not be found. CICS will be quiesced allowing some tasks to complete. Further work requires an initial start.

**Explanation**

The CICS log manager is unable to locate previously hardened data when reading from the system log during the dynamic backout of a task. This implies that data on the system log has been lost. The integrity of the system log is therefore suspect.

**System action**

No more blocks are written to the system log. CICS is quiesced via a normal shutdown to let as many tasks...
complete as possible. Any tasks that enter dynamic backout from this point onwards are suspended. If the next CICS start is not an initial start, CICS will terminate before allowing user processing to begin because system log data may have been lost.

User response
Transactions that failed to complete before shutdown will need to be recovered by other means before starting CICS again.

You may need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHL2SLE

XMEOUT parameters/Message inserts
1. applid
2. journalname

Destination
Console

DFHLG0737 applid A failure has occurred while writing to the system log (journalname). A log record was longer than the maximum block size for the MVS log stream. CICS will be terminated.

Explanation
The CICS log manager has detected a failure while writing to the system log. An attempt was made to write a log record longer than the maximum block size allowed for the MVS log stream. The size mismatch is indicated by a previous DFHLG0742 message written to the CSMT TD destination.

System action
An exception entry is made in the trace table, and CICS is terminated immediately. CICS cannot tolerate a failure of this nature for the system log.

User response
Using the DFHLG0742 message as a guide, define a larger block size for the MVS log stream structure that the system log will use. Then restart CICS, ensuring that the appropriate SIT START parameter is specified in order to maintain data integrity.

Module:
DFHL2SLE

XMEOUT parameters/Message inserts
1. applid
2. journalname

Destination
Console

DFHLG0738 applid A failure has occurred while reading the system log (journalname). The requested data could not be found. CICS will be terminated. Further work requires an initial start.

Explanation
The CICS log manager is unable to locate previously hardened data when reading from the system log during a restart of CICS. This implies that data on the system log has been lost. The integrity of the system log is therefore suspect.

System action
No blocks are written to the system log. CICS restart is abandoned. If the next CICS start is not an initial start, CICS will terminate before allowing user processing to begin because system log data may have been lost.

User response
Incomplete transactions will need to be recovered by other means before starting CICS again. You may need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHL2SLE

XMEOUT parameters/Message inserts
1. applid
2. journalname

Destination
Console

DFHLG0739 applid An attempt to start transaction CSQC to perform a normal shutdown of CICS has failed. Perform a normal shutdown of CICS manually.
Explanation

The CICS log manager attempted to start transaction CSQC to quiesce CICS via a normal shutdown but the attempt was unsuccessful. CICS was being quiesced because the integrity of the system log is suspect.

System action

An exception entry is made in the trace table, and a system dump is taken. CICS continues processing but any tasks that enter dynamic backout are suspended indefinitely and remain inflight.

User response

Issue CEMT PERFORM SHUTDOWN to quiesce CICS via a normal shutdown. This lets as many transactions complete as possible. Refer to the explanations for messages DFHLG0736 and DFHLG0740.

Also attempt to establish why transaction CSQC failed to start, and correct the problem. If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHL2SLE

XMEOUT parameters/Message inserts

1. applid

Destination

Console

DFHLG0740 applid While writing data to the system log (journalname), a lost data warning was received. CICS will be quiesced without logging, allowing tasks to complete. Further work requires an initial start.

Explanation

The CICS log manager received a lost data warning when writing to the system log. This means that one or more blocks of previously hardened data have been lost from the system log. The integrity of the system log is therefore suspect.

System action

No more blocks are written to the system log. CICS is quiesced via a normal shutdown to let as many tasks complete as possible. Any tasks that enter dynamic backout from this point onwards are suspended. If the next CICS start is not an initial start CICS will terminate before allowing user processing to begin because system log data may have been lost.

User response

Transactions that failed to complete before shutdown will need to be recovered by other means before starting CICS again.

You may need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHL2SLE

XMEOUT parameters/Message inserts

1. applid
2. journalname

Destination

Console

DFHLG0741 applid A failure to read data from the system log during dynamic backout has caused task tasknum to be suspended indefinitely. Tranid tranid, termid termid.

Explanation

Task tasknum with tranid tranid running at termid termid has been suspended indefinitely. Data required during dynamic backout could not be located on the system log. This message is preceded by message DFHLG0736.

System action

The task is suspended. CICS in the process of quiescing via a normal shutdown.

User response

Refer to the message explanation for message DFHLG0736.

Module:
DFHL2SLE

XMEOUT parameters/Message inserts

1. applid
2. tasknum
3. tranid
4. **termid**

**Destination**
Console

| DFHLG0742 | date time applid Log record too long for block. Record size rsize bytes. Block size bsize bytes. (MVS log stream | SMF journal) name. |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Explanation**

The CICS log manager has detected an attempt to write a log record to an MVS logger log stream or SMF journal where the log record is too long to fit in the maximum block size allowed.

The message indicates the size of the log record and the maximum size of a block for that log stream. The size of the log record includes a CICS record header (up to 200 bytes for system log, 56 bytes otherwise) and any user prefix data. There must also be enough room in the block for a CICS block header (158 bytes for SMF, 52 bytes for system log, 40 bytes otherwise).

**System action**

An exception entry is made in the trace table. If the log stream is part of the CICS system log and the log record was not written by a user application or exit program then CICS is terminated. Otherwise an exception is passed back to the caller.

**User response**

First establish whether a log record of the indicated size is expected. If the log record was written by a user application or exit program using EXEC CICS WRITE JOURNALNAME or DFHJCJCX WRITE_JOURNAL_DATA, the program could be in error.

If the log record is correct, you should increase the block size for an MVS logger log stream by defining a larger block size for the structure that the log stream will use. For an SMF journal, the block size is fixed at 32756 bytes and cannot be changed.

**Module:**
DFHL2LB, DFHL2WF, DFHL2CHM

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. rsize
5. bsize
6. Value chosen from the following options:
   1=MVS log stream,
   2=SMF journal
7. name

**Destination**
CSMT

<table>
<thead>
<tr>
<th>DFHLG0743</th>
<th>date time applid Tail of log stream lsn deleted at block id X'blockid'.</th>
</tr>
</thead>
</table>

**Explanation**

The CICS log manager has trimmed the tail of MVS logger log stream lsn. All records that occurred before (older) the specified MVS logger block id blockid have been deleted.

This occurs during activity keypoint processing when CICS decides it no longer needs records beyond a certain age on a CICS system log log stream.

**System action**

CICS continues processing.

**User response**

None.

**Module:**
DFHL2CHE

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. lsn
5. X'blockid'

**Destination**
CSMT

<table>
<thead>
<tr>
<th>DFHLG0744</th>
<th>date time applid All records in log stream lsn have been deleted.</th>
</tr>
</thead>
</table>

**Explanation**

The CICS log manager has deleted all records from MVS logger log stream lsn.

This occurs either at CICS startup when the start type is initial, or during activity keypoint processing, when
CICS decides it no longer needs any of the records currently on a CICS system log log stream.

**System action**
CICS continues processing.

**User response**
None.

**Module:**
DFHL2CC, DFHL2CHE

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. lsn

**Destination**
CSMT

DFHLG0745I applid System log full scan has started.

**Explanation**
The CICS log manager has started the full scan of the system log during startup. This is a progress message.

**System action**
CICS continues processing.

**User response**
None. The message can be suppressed with the SIT parameter MSGLVL=0.

**Module:**
DFHL2CHA

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. X'pblock'
5. X'sblock'

**Destination**
CSMT

DFHLG0747I applid System log scan continuing, count records processed.

**Explanation**
The CICS log manager has processed count records during the scan of the system logstream at a CICS restart. The message is produced every 'n' records - where 'n' is half of AKPFREQ or 500, which ever is the greatest. This is a progress message.

**System action**
CICS continues processing.

**User response**
None. The message can be suppressed with the SIT parameter MSGLVL=0.
Module: DFHL2CHN DFHL2CH4

XMEOUT parameters/Message inserts
1. applid  2. count

Destination
Console
DFHLG0748I applid System log selective scan has started.

Explanation
The CICS log manager has started the selective scan of the system log during startup. This is a progress message.

System action
CICS continues processing.

User response
None. The message can be suppressed with the SIT parameter MSG_LVL=0.

Module: DFHL2CHH

XMEOUT parameters/Message inserts
1. applid

Destination
Console
DFHLG0749I applid System log scan has completed.

Explanation
The CICS log manager has finished the scan of the system log stream during startup. This is a progress message.

System action
CICS continues processing.

User response
None. The message can be suppressed with the SIT parameter MSG_LVL=0.

Module: DFHL2CHL

XMEOUT parameters/Message inserts
1. applid

Destination
Console
DFHLG0750 applid Transaction CSQC has failed to perform a normal shutdown of CICS. Perform a normal shutdown of CICS manually.

Explanation
Transaction CSQC has failed to quiesce CICS via a normal shutdown because an error was detected. CICS was being quiesced because the integrity of the system log is suspect.

System action
A system dump is taken. CICS continues processing but any tasks that enter dynamic backout are suspended indefinitely and remain inflight.

User response
Issue CEMT PERFORM SHUTDOWN to quiesce CICS via a normal shutdown. This lets as many transactions complete as possible. Refer to the explanations for messages DFHLG0736 and DFHLG0740.

Attempt to establish why transaction CSQC failed to quiesce CICS, and correct the problem. If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHLGQC

XMEOUT parameters/Message inserts
1. applid

Destination
Console
DFHLG0760 date time applid Log stream isn not trimmed by keypoint processing. Number of keypoints since last trim occurred: trimnum. History point held by transaction: transid, task number: trannum.
Explanation
The CICS log manager has been unable to trim the tail of MVS logger log stream lsn, during an activity keypoint.

CICS will attempt to trim the system log log streams during activity keypoint processing, to delete redundant data from the oldest end of the log stream (the tail).

Note that this message is only issued if the primary system log stream (DFHLOG) fails to be trimmed during a keypoint operation. It is not issued if a trim does not occur for the secondary system log stream (DFHSHUNT). This is since a trim of the primary system log stream is considerably more likely to occur per keypoint, and hence failures to trim the primary system log stream should be recognized, and investigated if required.

System action
CICS continues processing.

User response
This is an informational message, but should be treated as a warning of a potential problem if the number of keypoints that have been unable to trim the primary system log stream continues to increase. Occasional keypoints that fail to trim DFHLOG are not unexpected events. However, if the message is issued by a number of sequential keypoints then this warrants further investigation.

The keypoint operation was unable to trim the tail of DFHLOG because the oldest log records on the log stream belong to a Unit Of Work (UOW) that is still required. This may be a validly long-running UOW; alternatively, it may be part of a long-running task executing an application that generates log records but does not issue syncpoint requests regularly enough.

This may be a transient phenomenon due to an atypical long-running UOW. Review the number of keypoints that have been unable to trim the log. Check what message CICS issues for log stream lsn at the next activity keypoint. Message DFHLG0743 indicates the log stream is now successfully trimmed. Another DFHLG0760 message indicates a long-running UOW still exists on the system. If the log stream still cannot be trimmed, use the CEMT INQUIRE UOW command to review the oldest UOWs on the system.

The transaction identifier and the task number of the task whose UOW relates to the oldest data on DFHLOG are also provided in the DFHLG0760 message. The CEMT INQUIRE TASK command may be used to review them.

It is also worthwhile reviewing how often CICS is performing activity keypoints (as defined by the AKPFREQ system definition parameter).

Note - it may be possible that the task whose UOW relates to the oldest data on DFHLOG is no longer present in the system, typically if it was executing under an open TCB and happened to complete its syncpoint while the keypoint task was determining the history point for the log stream. If this is the case then the message inserts for the transid and trannum will show as question marks (????). The log data for this completed UOW will be eligible for deletion at the next keypoint.

Module:
DFHL2CHE

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. lsn
5. trimnum
6. transid
7. trannum

Destination
CSMT

DFHLG0761 date time applid Task number trannum running transid transid has prevented trimnum activity keypoints from trimming the System Log.

Explanation
The CICS log manager has been unable to trim the tail of the System Log log stream during trimnum activity keypoints.

Message DFHLG0760 has been issued for each keypoint which was prevented from performing the trim operation.

System action
CICS continues processing.
User response

This is an informational message, but should be treated as a strong warning of a potential problem as CICS only issues this message after 100 keypoints have failed to trim the log stream. CICS will issue this message again every 10 keypoints until a keypoint successfully trims the log stream.

The keypoint operation was unable to trim the tail of DFHLOG because the oldest log records on the log stream belong to a Unit Of Work (UOW) that is still required. This may be a validly long-running UOW; alternatively, it may be part of a long-running task executing an application that generates log records but does not issue syncpoint requests regularly enough.

As well as consuming excessive log stream resources the task may be consuming other system resources such as CICS or database locks and Coupling Facility storage. Excessive consumption of such resource may cause application or system-wide problems.

The transaction identifier and the task number of the task whose UOW relates to the oldest data on DFHLOG are also provided in the DFHLG0760 message. The CEMT INQUIRE TASK command may be used to review them.

It is also worthwhile reviewing how often CICS is performing activity keypoints (as defined by the AKPFREQ system definition parameter).

Module: DFHL2CHE

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. trannum
5. transid
6. trimnum

Destination

Console

DFHLG0770 date time applid applid A severe error has occurred while writing to the SMF log, which was accessed via journal jname. SMF response X'resp'.

Explanation

The CICS log manager has detected a severe error while writing to the SMF log. This is accessed via journal jname. SMF returns the response byte X’resp’. System action

An exception entry is made in the trace table, a system dump is taken and an exception is returned to the caller.

User response

Using the SMF response byte, diagnose and correct the problem. If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHL2LB

XMEOUT parameters/Message inserts

1. applid
2. jname
3. X'resp'

Destination

Console

DFHLG0771 date time applid A temporary error condition occurred during MVS logger operation {IXGCONN | IXGWRITE | IXGBRWSE | IXGDELET | IXGQUERY } {CONNECT | DISCONNECT | | START | READCURSOR | READBLOCK | END | ALL | RANGE} for log stream isn. MVS logger codes: X'ret', X'rsn'.

Explanation

The CICS log manager made a call to the MVS logger to access a log, which returned a temporary error condition. The MVS logger operation that returned the error condition is identified in the message. The return and reason codes shown are those returned by the MVS logger.

For further guidance, see the z/OS MVS Programming: Assembler Services Reference ABE-HSP.
System action
The log manager automatically retries the operation while the temporary error condition persists. This message is issued every thirty seconds following the first/previous issue.

User response
None. This is a temporary condition.

Module:
DFHL2HS2, DFHL2HS3, DFHL2HS4, DFHL2HS5, DFHL2HS6, DFHL2HS7, DFHL2HS8, DFHL2HS9, DFHL2HSF, DFHL2HSG, DFHL2HSJ

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=IXGCONN,
   2=IXGWRITE,
   3=IXGBRWSE,
   4=IXGDELETE,
   5=IXGQUERY
5. Value chosen from the following options:
   1=CONNECT,
   2=DISCONNECT,
   3=,
   4=START,
   5=READCURSOR,
   6=READBLOCK,
   7=END,
   8=ALL,
   9=RANGE
6. lsn
7. X'ret'
8. X'rsn'

Destination
CSMT

DFHLG0772 applid An error has occurred during z/OS logger operation {IXGCONN | IXGWRITE | IXGBRWSE | IXGDELETE | IXGQUERY} {CONNECT | DISCONNECT | START | READCURSOR | READBLOCK | END | ALL | RANGE | CHECKCONNSTATUS(YES)) for log stream lsn. z/OS logger codes: X'ret', X'rsn'. Log stream attributes: SYSTEMLOG((YES | NO)), DASDONLY((YES | NO)), STRUCTNAME(structname), RETPD(X'retpd'), AUTODELETE((YES | NO)).

Explanation
The CICS log manager made a call to the z/OS logger to access a log, which returned an error condition. The z/OS logger operation that returned the error condition is identified in the message, and the return and reason codes shown are those returned by the z/OS logger. This is followed by some of the attributes which define the log stream. A structure name of ************ indicates that no structure is being used by this log stream.

If the error occurred during a log stream connection, these attributes may not have been updated to the correct values for the log stream and should be ignored. These attributes are only valid following a successful connection.

This message may be followed by other CICS messages, especially if the log stream is part of the CICS system log.

This situation can occur when CICS calls the z/OS logger using an obsolete log stream connection token, when the z/OS logger has been restarted following either a crash or a user request. A restart of the z/OS logger implicitly disconnects all connections to it.

This situation may also occur if CICS has connected to a stream for write only purposes and has then attempted to use one of IXGBRWSE, IXGDELETE, IXGOFFLD, IXGQUERY, and IXGUPDAT commands. A reason code of x'0000081C' may be issued.

For further guidance, see the z/OS MVS Programming: Assembler Services Reference ABE-HSP.

Note: a reason code of x'0000085D' means an IxgRsnCodeWowError has been returned from the z/OS Logger. The coupling facility structure space allocated for this log stream is full or the staging data set space is full. Attempts to offload the interim storage data to DASD failed because of severe errors. No further write requests can be processed until the offload error condition is cleared.
Note: a reason code of x'00000804' means an IxgRsncodeNoBlock has been returned from the z/OS Logger. For an IXGDELET request against the CICS system log, CICS continues as normal despite this error. This is the best option, as unless there is the need to read the missing block(s) in the future for a dynamic transaction backout or system restart, the missing data is not required by CICS.

**System action**

An exception entry is made in the trace table, and in some circumstances, a system dump is taken.

The log manager returns an exception condition.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

If the z/OS logger was recently restarted, AUTO start CICS. Otherwise use the MVS logger return and reason codes to diagnose the problem. If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Check the log for message IXG301I to determine the cause of the error. For general log streams, you will most likely need to increase the size of the staging data set and then restart your CICS region or delete records from your general log streams.

**Module:**

DFHL2HS2, DFHL2HS3, DFHL2HS4, DFHL2HS5, DFHL2HS6, DFHL2HS7, DFHL2HS8, DFHL2HS9, DFHL2HSF, DFHL2HSG, DFHL2HSJ, DFHL2HB

**XMEOUT parameters/Message inserts**

1. applid
2. Value chosen from the following options:
   - 1=IXGCONN
   - 2=IXGWRITE
   - 3=IXGBRWSE
   - 4=IXGDELET
   - 5=IXGQUERY
3. Value chosen from the following options:
   - 1=CONNECT
   - 2=DISCONNECT
   - 3=
4. lsn
5. X'ret'
6. X'rsn'
7. Value chosen from the following options:
   - 1=YES
   - 2=NO
8. Value chosen from the following options:
   - 1=YES
   - 2=NO
9. structname
10. X'retpd'
11. Value chosen from the following options:
    - 1=YES
    - 2=NO

**Destination**

Console

DFHLG0773 applid A severe error (code X'code') has occurred while accessing ((IXGCONN | IXGWRITE | IXGBRWSE | IXGDELET) {CONNECT | DISCONNECT} | {START | READCURSOR | READBLOCK | END | ALL | RANGE}) the log stream lsn.

**Explanation**

The CICS log manager has detected a severe error while attempting to access a log. The code 'X'code' is the exception trace point ID which uniquely identifies where the error was detected. This message is preceded by DFHLG0001, and usually followed by other messages.

**System action**

An exception entry is made in the trace table. A system dump will have been taken by DFHLG0001.
The log manager returns a disaster condition to the caller. If the log is the CICS system log, a forward recovery log or autojournal log, another message is issued. Otherwise a disaster condition is returned to the application program.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Refer to other messages following this message for more information and guidance.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHL2HS2, DFHL2HS3, DFHL2HS4, DFHL2HS5, DFHL2HS6, DFHL2HS7, DFHL2HS8, DFHL2HS9, DFHL2HSF, DFHL2HSG, DFHL2HSJ

**XMEOUT parameters/Message inserts**

1. applid
2. X‘code’
3. Value chosen from the following options:
   1=IXGCONN,
   2=IXGWRITE,
   3=IXGBRWSE,
   4=IXGDELET
4. Value chosen from the following options:
   1=CONNECT,
   2=DISCONNECT,
   3=,
   4=START,
   5=READCURSOR,
   6=READBLOCK,
   7=END,
   8=ALL,
   9=RANGE
5. lsn

**Destination**

Console

**DFHLG0774** applid The MVS logger has returned an alert during operation [IXGCONN CONNECT / IXGWRITE ]for logstream lsn. The log stream data set directory is full. MVS logger codes: X‘ret’ X‘rsn’.

**Explanation**

The CICS log manager has detected a warning while attempting to access a log stream. The log stream’s data set directory is full.

For further guidance, see the z/OS MVS Programming: Assembler Services Reference ABE-HSP.

**System action**

An exception entry is made in the trace table. CICS continues normal operation until the current data set of the log stream becomes full. When this happens message DFHLG0772 is issued.

**User response**

You should delete data from the log stream tail before the current data set fills up. You may wish to take a copy of the data before deleting it. Alternatively you could use a new log stream, but this may be too disruptive.

**Module:**
DFHL2HS2, DFHL2HSF

**XMEOUT parameters/Message inserts**

1. applid
2. Value chosen from the following options:
   1=IXGCONN CONNECT,
   2=IXGWRITE
3. lsn
4. X‘ret’
5. X‘rsn’

**Destination**

Console

**DFHLG0775** applid The MVS logger has returned an alert during operation [IXGCONN CONNECT / IXGWRITE ]for logstream lsn. The log stream writer offload task is failing. MVS logger codes: X‘ret’ X‘rsn’.
Explanation

The CICS log manager has detected a warning while attempting to access a log stream. The writer offload task for the log stream is failing.

For further guidance, see the z/OS MVS Programming: Assembler Services Reference ABE-HSP.

System action

An exception entry is made in the trace table.

CICS continues normal operation, but the data written to the log stream structure is not being duplexed. Consequently, if the structure (or coupling facility) fails, the data cannot be recovered.

User response

You are recommended to shutdown CICS as soon as possible. You should investigate and fix the failing log stream, without losing the data.

If the failing log stream is the CICS system log and CICS was shutdown immediately, you should emergency restart CICS in order to recover the inflight transactions.

Module:
DFHL2HSF

XMEOUT parameters/Message inserts

1. applid
2. Value chosen from the following options:
   1=IXGCONN CONNECT,
   2=IXGWRITE
3. lsn
4. X'ret'
5. X'rsn'

Destination

Console

DFHLG0776 | applid The MVS logger has returned an alert during operation IXGWRITE for log stream lsn. The log stream staging data set has failed. MVS logger codes: X'ret', X'rsn'.

Explanation

The CICS log manager made a call to the MVS logger to access a log, which returned a temporary error condition. The MVS logger operation that returned the error condition is identified in the message. The return and reason codes shown are those returned by the MVS logger.

For further guidance, see the z/OS MVS Programming: Assembler Services Reference ABE-HSP.
System action

The log manager automatically retries the operation while the temporary error condition persists. This message is issued every thirty seconds following the first/previous issue.

User response

None. This is a temporary condition.

Module:
DFHL2HS2, DFHL2HS3, DFHL2HS4, DFHL2HS5, DFHL2HS6, DFHL2HS7, DFHL2HS8, DFHL2HS9, DFHL2HSF, DFHL2HSG, DFHL2HSJ

XMEOUT parameters/Message inserts

1. applid
2. Value chosen from the following options:
   1=IXGCONN, 2=IXGWRITE, 3=IXGBRWSE, 4=IXGDELET, 5=IXGQUERY
3. Value chosen from the following options:
   1=CONNECT, 2=DISCONNECT, 3=, 4=START, 5=READCURSOR, 6=READBLOCK, 7=END, 8=ALL, 9=RANGE
4. lsn
5. X'ret'
6. X'rsn'

Destination

Console

DFHLG0778 applid The MVS logger has returned an error during operation IXGCONN CONNECT for log stream lsn. CICS does not have authority to perform this operation. MVS logger codes: X'ret' X'rsn'.

Explanation

The CICS log manager has detected an error while attempting to access a log stream. CICS region userid has not been defined to the MVS logger with the authority to perform this operation.

For further guidance, see the z/OS MVS Programming: Assembler Services Reference ABE-HSP.

System action

An exception entry is made in the trace table.

The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

User response

Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

Ensure that the CICS region userid has authority to access the log stream. For further guidance, see the CICS Security.

Module:
DFHL2HS2

XMEOUT parameters/Message inserts

1. applid
2. lsn
3. X'ret'
4. X'rsn'

Destination

Console

DFHLG0779 applid The MVS logger has returned an error during operation IXGCONN CONNECT for log stream lsn. The log stream is being deleted by another program. MVS logger codes: X'ret' X'rsn'.

Explanation

The CICS log manager has detected an error while attempting to access a log stream. The log stream is being deleted by a request from another program and CICS cannot connect to it until this program has finished.
For further guidance, see the z/OS MVS Programming: Assembler Services Reference ABE-HSP.

System action
An exception entry is made in the trace table.
The log manager returns an exception condition to the caller. If the log stream is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

User response
Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.
You will need to understand why another program was deleting the log stream. Either prevent such a conflict from occurring in the future, or allocate a different log stream to CICS.

Module:
DFHL2HS2

XMEOUT parameters/Message inserts
1. applid
2. lsn
3. X'ret'
4. X'rsn'

Destination
Console

DFHLG0780 applid The MVS logger has returned an error during operation IXGCONN CONNECT for log stream lsn. Some data previously written to this log stream has been lost. MVS logger codes: X'ret' X'rsn'.

Explanation
The CICS log manager has detected an error while attempting to access a log stream. Some of the data written to this log stream has been permanently lost.
This message is issued only if the log stream is a general log (not a CICS system log).
For more information about the IXGCONN macro, including return and reason codes, see IXGCONN - Connect/disconnect to log stream in z/OS MVS Programming: Assembler Services Reference.

System action
An exception entry is made in the trace table.
The log manager returns an exception condition to the caller.

User response
This log stream is a general log, therefore it must be deleted and redefined before it can be used by CICS again.
If the log stream is used as a forward recovery log, take a fresh backup of all data sets that use this log stream as soon as possible.
If the log stream is used as a user journal, the associated journal needs to be reenabled before it can be used again. To do this, issue the command

SET JOURNALNAME(...) RESET

Use the MVS logger return and reason codes to further diagnose the problem.

Module:
DFHL2HS2

XMEOUT parameters/Message inserts
1. applid
2. lsn
3. X'ret'
4. X'rsn'

Destination
Console

DFHLG0781 applid The MVS logger has returned an error during operation IXGCONN CONNECT for log stream lsn. The maximum number of log stream connections that the MVS logger can support has been reached. MVS logger codes: X'ret' X'rsn'.

Explanation
The CICS log manager has detected an error while attempting to access a log stream. The maximum number of log stream connections that the MVS logger can support has been reached.
For further guidance, see the z/OS MVS Programming: Assembler Services Reference ABE-HSP.
System action
An exception entry is made in the trace table. The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

User response
Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

It may be possible to retry this transaction later when other work has completed and the number of concurrent transactions has reduced. Otherwise you should investigate your usage of log streams within the sysplex with a view to reducing the number of log streams that need to be connected concurrently.

Module:
DFHL2HS2

XMEOUT parameters/Message inserts
1. applid
2. lsn
3. X'ret'
4. X'rsn'

Destination
Console

DFHLG0782  applid The MVS logger has returned an error during operation IXGCONN CONNECT or IXGWRITE for log stream lsn. The MVS logger does not have authority to access the log stream structure. MVS logger codes: X'ret' X'rsn'.

Explanation
The CICS log manager has detected an error while attempting to access a log stream. The MVS logger does not have authority to access the log stream structure.

For further guidance, see the z/OS MVS Programming: Assembler Services Reference ABE-HSP.

System action
An exception entry is made in the trace table.
issued. Otherwise an exception condition is returned to the application program.

**User response**

Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

It is possible that a user journal definition has been defined with the wrong log stream name or that the log stream has been defined incorrectly to have the MODEL(YES) attribute. See the [Configuring](#) for guidance on defining user journals.

**Module:**
DFHL2HS2

**XMEOUT parameters/Message inserts**

1. `applid`
2. `lsn`
3. `X'ret'`
4. `X'rsn'`

**Destination**
Console

DFHLG0784

**Explanation**

The CICS log manager has detected an error while attempting to access a log stream. The MVS logger rejected the connect request because the log stream is of type DASDONLY and is already connected to another MVS image. MVS logger codes: `X'ret' X'rsn'`.

**System action**

An exception entry is made in the trace table. The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

**User response**

Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

Log streams of type DASDONLY were designed to work within the scope of a single MVS image only (although the MVS image itself can still be part of a sysplex).

The possibilities are:-

- The connect request is using the wrong log stream name.
- The current connection is using the wrong log stream name.
- The log stream was wrongly defined as being of type DASDONLY.

**Module:**
DFHL2HS2

**XMEOUT parameters/Message inserts**

1. `applid`
2. `lsn`
3. `X'ret'`
4. `X'rsn'`

**Destination**
Console

DFHLG0785

**Explanation**

The CICS log manager has detected an error while attempting to access a log stream. The MVS logger rejected the connect request because the log stream is of type DASDONLY and is not supported by the current system release level. MVS logger codes: `X'ret' X'rsn'`.

**System action**

An exception entry is made in the trace table. The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.
User response

Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

Log streams of type DASDONLY are supported by system release level OS/390 2.4 or later.

The possibilities are:

- CICS was running on the wrong system.
- The log stream was wrongly defined as being of type DASDONLY.
- The connect request is using the wrong log stream name.

Module:
DFHL2HS2

XMEOUT parameters/Message inserts

1. applid
2. lsn
3. X'ret'
4. X'rsn'

Destination
Console

DFHLG0786  applid The MVS logger has returned an error during operation IXGCONN CONNECT for log stream lsn. The MVS logger failed to find a suitable coupling facility for the log stream structure. MVS logger codes: X'ret' X'rsn'.

Explanation

The CICS log manager has detected an error while attempting to access a log stream. The MVS logger failed to find a suitable coupling facility for the log stream structure.

For further guidance, see the z/OS MVS Programming: Assembler Services Reference ABE-HSP.

System action

An exception entry is made in the trace table.

The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

User response

Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

You should investigate your usage of the coupling facility resource within the sysplex.

Module:
DFHL2HS2

XMEOUT parameters/Message inserts

1. applid
2. lsn
3. X'ret'
4. X'rsn'

Destination
Console

DFHLG0787 applid CICS is attempting to read a blockid that does not belong to the current chain. Read blockid: X'blkid1'; Chain History Point: X'blkid2'.

Explanation

The requested blockid is a lower relative number than the Chain History Point blockid, which means the CICS log manager has requested a block which was written earlier than the current logical start of the chain. This indicates an internal logic error within CICS.

The blockid of the requested block, and the blockid representing the Chain History Point for the log block chain in question, are shown in the message.

System action

An exception entry is made in the trace table and a system dump is taken, and the CICS log manager returns an exception condition.

If the failure occurred while CICS was reading from the system log, message DFHLG0736 will follow, and a quiesce of CICS will be initiated.

User response

The logstream should be printed before CICS is restarted, using the DFHJUP utility. For guidance in using this, refer to the Administering CICS.
Note:
If the failure occurred for the CICS system log, print both the primary and secondary CICS system log logstreams before restarting CICS.
Refer to any messages issued subsequently for further guidance.
If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHL2BLC

XMEOUT parameters/Message inserts
1. applid
2. X'blkid1'
3. X'blkid2'

Destination
Console

DFHLG0788 applid The System Log journals DFHLOG and DFHSHUNT have been defined on the same MVS logstream (logstream). This is invalid. CICS will terminate.

Explanation
When connecting to the DFHLOG and DFHSHUNT journals, the CICS Logger Domain has detected that both journals are defined on the same MVS logstream. This is invalid.

System action
An exception entry is made in the trace table.

User response
Correct the JOURNALMODEL definitions used to define the DFHLOG and DFHSHUNT journals and restart the system.

Module:
DFHL2CHE, DFHL2CC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. lsn
5. X'ret'
6. X'rsn'

Destination
CSMT

DFHLG0800 applid The MVS logger failed to locate a blockid requested by the CICS log manager. Missing blockid: X'blkid1'; Chain History Point: X'blkid2'.

Explanation
The MVS logger has returned an IxgRsnCodeNoBlock (00000804) Reason Code to the CICS log manager. This means that the log block requested by CICS could not be located by the MVS logger.
The blockid of the requested block, and the blockid representing the Chain History Point for the log block chain in question, are shown.

**System action**

This is an informational message to provide the blockid of the missing block, and the blockid of the Chain History Point for the chain which should contain the requested block.

This message will have been preceded by message DFHLG0772. An exception trace was written and a system dump taken.

If the failure occurred while CICS was reading from the system log message DFHLG0736 will follow, and a quiesce of CICS will be initiated.

**User response**

Compare the requested blockid with the Chain History Point blockid. If the requested blockid is equal to, or a higher relative number than, the Chain History Point, the blockid represents a log block which CICS is still validly interested in and which should be available from the MVS logger.

If the requested blockid is a lower relative number than the Chain History Point blockid, then the CICS log manager has requested a block which was written earlier than the current logical start of the chain. This indicates an internal logic error within CICS.

The logstream should be printed before CICS is restarted, using the DFHJUP utility. For guidance in using this, refer to the Administering CICS. Note if the failure occurred for the CICS system log then print both the primary and secondary CICS system log logstreams before restarting CICS.

Refer to any messages issued subsequently for further guidance.

If the error condition persists, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHL2BLC

**Explanation**

The MVS logger has returned an IXgRsnCodeExpiredStmToken (0000082D) Reason Code to the CICS log manager.

**System action**

This is an informational message. CICS treats the disconnect as successful.

**User response**

None.

**Module:**
DFHL2HS3

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**

Console

**Explanation**

The CICS log manager made a call to the MVS logger to access a log, which returned an error condition. The MVS logger operation that returned the error condition is identified in the message, and the return and reason codes shown are those returned by the MVS logger. This is followed by some of the attributes which define the log stream. A structure name of "**************"
indicates that no structure is being used by this log stream.

If the error occurred during a log stream connection, these attributes may not have been updated to the correct values for the log stream and should be ignored. These attributes are only valid following a successful connection.

This message may be followed by other CICS messages, especially if the log stream is part of the CICS system log.

For further guidance, see the z/OS MVS Programming: Assembler Services Reference ABE-HSP.

Note: a reason code of x'00000404' means an IxgRsnCodeDisconnectInProgress has been returned from the MVS Logger. CICS has been disconnected from the log stream and the stream token is no longer valid, however the disconnect request is being completed asynchronously by the MVS Logger. This response can be returned if a coupling facility structure rebuild is taking place when the disconnect is issued.

**System action**

An exception entry is made in the trace table. No system dump is taken.

The log manager returns an exception condition.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

None.

**Module:**

DFHL2HS3

**XMEOUT parameters/Message inserts**

1. **applid**
2. Value chosen from the following options:
   1=IXGCONN,
   2=IXGWRITE,
   3=IXGBRWSE,
   4=IXGDELET,
   5=IXGQUERY
3. Value chosen from the following options:
   1=CONNECT,
   2=DISCONNECT,
4. **lsn**
5. X'ret'
6. X'rsn'
7. Value chosen from the following options:
   1=YES,
   2=NO
8. Value chosen from the following options:
   1=YES,
   2=NO
9. **structname**
10. X'retpd'
11. Value chosen from the following options:
    1=YES,
    2=NO

**Destination**

Console

**DFHLG0803**  applid The z/OS logger has detected an expired stream token on an operation against a CICS system log logstream.

**Explanation**

The z/OS logger has returned an IxgRsnCodeExpiredStmToken (0000082D) Reason Code to the CICS log manager. The token invalidation may be the result of an IXGLOGR region failure, for example.

**System action**

CICS has to terminate and reconnect to the logstream during the next startup. An emergency restart will ensure any inflight work is backed out in a coordinated manner.
User response
This is an informational message. Refer to earlier message DFHLG0772 for further details of the z/OS logger operation and logstream which returned the XgRsnCodeExpiredStmToken Reason Code.

Module:
DFHL2HS2, DFHL2HS3, DFHL2HS4, DFHL2HS5, DFHL2HS6, DFHL2HS7, DFHL2HS8, DFHL2HS9, DFHL2HSF, DFHL2HSG, DFHL2HSJ, DFHL2HB

DFHLMnnnn messages

DFHLM0001  applid An abend (code abcode) has occurred at offset X'offset' in module modname.

Explaination
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code abcode is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If there is an MVS code, look it up in the relevant MVS codes manual which is detailed in the book list in the front of this manual. Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHLM0002  applid A severe error (code X'code') has occurred in module modname.

Explaination
An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the Troubleshooting and support.

System action
An exception entry (code code in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.
CICS will continue unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHLMDM, DFHLMDS, DFHLMIQ, DFHLMLM

**XMEOUT parameters/Message inserts**

1. applid
2. X'code'
3. *modname*

**Destination**
Console

DFHL0004 applid A possible loop has been detected at offset X'offset' in module *modname*.

**Explanation**

A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* in the message will be terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname* and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHLMDM, DFHLMDS, DFHLMIQ, DFHLMLM

**XMEOUT parameters/Message inserts**

1. applid
2. X'offset'
3. *modname*

**Destination**
Console

DFHL0006 applid Insufficient storage to satisfy Getmain (code X'code')
An MVS GETMAIN was issued by module `modname`, but there was insufficient storage available to satisfy the request. The code `X'code'` is the exception trace point id which uniquely identifies the place where the error was detected.

This error has occurred above the 16M line.

The code `mvscode` is the MVS GETMAIN return code.

### System action

An exception entry is made in the trace table (code `code` in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

### User response

Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module `modname`, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try decreasing the overall size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you will need to bring CICS down to do this. See the Configuring or the Improving performance for further information on CICS storage.

### Module

DFHLMDM, DFHLMDS, DFHLMIQ, DFHLMLM

### XMEOUT parameters/Message inserts

1. `applid`
2. `X'code'`
3. `modname`
4. `mvscode`

### Destination

Console

---

### DFHMCnnnn messages

#### DFHMC4000

**CICS SYNAD EXIT TAKEN FOR dscname, INPUT MSG TRUNCATED.**

### Explanation

This message is issued when the SYNAD exit is taken for an input queue. `dscname` represents the DSCNAME.

### System action

The DCB is closed and then opened again. The data is truncated to the specified block size and passed to the user.

### User response

Increase the block size or reduce the length of input.

### DFHMC4001I

**date time applid Error purge delay inoperative, \{transid | invalid req | unexpected\} error**

### Explanation

An error return code has been received from the interval control program (ICP) during initiation of the purge delay transaction, CSPQ.

The return code is caused by one of the following.
- A TRANSID error.
- An INVALD REQ error.
- An UNEXPECTED error.

**System action**

Purge delay does not operate for this execution of CICS. A dump is taken.

**User response**

- For a TRANSID error, define transaction CSPQ.
- For an INVALD REQ, the ICP returned an INVALID REQUEST return code in response to the INITIATE request. Determine why this has occurred and correct the problem.
- For an UNEXPECTED error, the ICP returned an unrecognized error code in response to the INITIATE request. The error code can be found in the dump at label MCPINERR in program DFHMCP. Determine why this has occurred and correct the problem.

**DFHME0001**

applid An abend (code xxyyyy) has occurred at offset X'offset' in module modname.

**Explanation**

An abnormal end or program check has occurred in module modname.

The code xxyyyy is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code (for example AKEA) or a number referring to a CICS message (for example 1310 refers to CICS message DFHTS1310).

**System action**

An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this error may not be critical, CICS is not terminated, even if you have specified terminate in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Since the abend affects the national language modules in the message (ME) domain, CICS is not automatically terminated. However, you may decide that your system should not be allowed to run without these modules, in which case you need to bring CICS down.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in this manual. Look up the CICS alphanumeric code in this manual. This code tells you, for example, whether the error was a program check, an abend, a runaway, or a recovery percolation.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHMEDM, DFHMEME, DFHMESR

**Destination**

Console

**DFHME0002**

applid An error (code X'code') has occurred in module modname.

**Explanation**

An error has been detected in module modname. The code X'code' is the exception trace point id which uniquely identifies the place where the error was detected.
**System action**

A bad return code is sent to the caller of the message (ME) domain. If the call is made by the domain manager, DFHDMDM, CICS is terminated by the domain manager, and a message is issued to this effect. However, if the message is issued by a message domain module, CICS is allowed to continue.

An exception entry is made in the trace table. For further information about CICS exception trace entries, refer to the Troubleshooting and support.

A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this error may not be critical, CICS is not terminated immediately, even if you have specified terminate in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Inform the system programmer as this message indicates a severe error in CICS code. Its impact may or may not be severe, depending on the circumstances. For example, if it only occurs once and CICS has not been terminated by the domain manager, you may decide to continue to run and bring CICS down at a convenient time. But if the message recurs or if you cannot run without the full use of all CICS messages, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHMEDM, DFHMEME, DFHMESR, DFHMEWT

**Destination**

Console

**DFHME0004** applid A possible loop has been detected at offset X'offset' in module modname.

**Explanation**

A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

**System action**

An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. This situation may not be an error, or if it is an error it may not be critical, so CICS is not terminated immediately, even if you have specified terminate in the dump table. CICS will purge the runaway task if you have specified this in the SIT.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

This error affects message generation, and the message (ME) domain does not automatically terminate CICS. You should decide whether the problem is serious enough to bring CICS down.

Since some transactions can use a lot of CPU time, this message may have been caused by a long-running transaction. Usually, CICS terminates a task which it considers to be a runaway task. It does this termination when the task exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds).

If you have declared ICVR=0, you have to terminate the task yourself if you consider that it has gone into a loop. Purge the task using the CEMT transaction.

If CICS has purged the task and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time in order to do this.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHMEDM, DFHMESR, DFHMEME

**Destination**

Console

**DFHME0006** applid Insufficient storage to satisfy GETMAIN (code X'code') in module modname. MVS code mvscode.

**Explanation**

An MVS GETMAIN was issued by module modname, but there was insufficient storage available to satisfy the request. The code X'code' is the exception trace point ID which uniquely identifies the place in the code.
where the error occurred. The code `mvscode` is the MVS GETMAIN return code.

**System action**
An exception entry is made in the trace table with code `X'code'`. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated immediately, even if you have specified `terminate` in the dump table. However, if this error indicates a general problem with storage, CICS could be abnormally terminated by the CICS storage manager. A message will be issued to this effect.

If the GETMAIN fails for DFHMEDM, a return code is sent to the domain manager, DFHDMDM, and CICS is terminated by the domain manager. A message is issued to this effect.

If the GETMAIN fails for the message domain DFHMEME, it could occur in one of four places. The code `X'code'` indicates which GETMAIN has failed as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'0340'</td>
<td>During formatting of TD message</td>
</tr>
<tr>
<td></td>
<td>The message is not issued.</td>
</tr>
<tr>
<td>X'0341'</td>
<td>During build of message</td>
</tr>
<tr>
<td></td>
<td>The message is not issued.</td>
</tr>
<tr>
<td>X'0342'</td>
<td>While building user exit parameters</td>
</tr>
<tr>
<td></td>
<td>The message is issued to its original destination.</td>
</tr>
<tr>
<td>X'0343'</td>
<td>During rebuild of message in English</td>
</tr>
<tr>
<td></td>
<td>The rebuilt English message is not issued.</td>
</tr>
<tr>
<td>X'0344'</td>
<td>While building the symptom record.</td>
</tr>
<tr>
<td>X'0345'</td>
<td>During the build of a system event parameter list.</td>
</tr>
<tr>
<td>X'0346'</td>
<td>During the build of message inserts for a system event.</td>
</tr>
</tbody>
</table>

**Message DFHME0116, which contains the symptom string for this problem, is produced.**

**User response**
If CICS is terminated, look out for the relevant termination messages from the storage manager or the domain manager and the user response suggested. Try decreasing the size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. You will need to bring CICS down to do this, if it has not already been terminated.

The problem may be a temporary one which rights itself if more storage becomes available. If CICS is still running, and you can manage without the full set of CICS messages, you may decide to continue and bring CICS down at a convenient time.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual.

**Module:**
DFHMEDM, DFHMEME

**Destination**
Console

**DFHME0101 applid** An error (code `X'code'`) occurred while writing message `msgno` to transient data queue `queue`.

**Explanation**
CICS has tried to write message `msgno` to the transient data queue `queue`. This has failed for one of the following reasons:

1. Queue `queue` does not have an installed resource definition.
2. Queue `queue` is currently disabled.
3. The transient data queue `queue` is full.
4. An I/O error has occurred writing to queue `queue`.

The code `X'code'` is the exception trace point ID which uniquely identifies the place where the error was detected.

**System action**
An exception entry is made in the trace table and CICS continues.

**User response**
Check that `queue` is defined to CICS and that the resource definition is installed.

If (1), create and install a TDQUEUE resource definition for queue `queue`. Alternatively, if `msgno` is
a DFHDB2xxx message, change any of the msgqueue1, msgqueue2 and msgqueue3 parameters of the installed DB2CONN resource definition that specify queue queue so that they name a valid transient data queue.

If (2), use CEMT to reset the status of the queue to 'enabled'.

If (3), allocate more space for the queue, or reset the trigger level (if messages are being issued to a terminal or printer).

If (4), investigate and fix the cause of the I/O error.

Module: DFHMEME

Destination
Console

DFHME0102 applid An error (code X'code') has occurred in module modname while producing message msgno.

Explanation
A severe error has been detected and the message (ME) domain has been unable to produce message msgno. The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

System action
A return code is sent to the caller of the message (ME) domain, but since the call was made by a message domain module, CICS is allowed to continue.

An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated immediately, even if you have specified terminate in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Inform the system programmer as this indicates a severe error in CICS code. However, its impact may not be serious. For example, if the error only occurs once and you can run without message msgno, you may continue to run and bring CICS down at a convenient time.

However, if the message recurs (and on each recurrence there is a different message number msgno), or if you cannot run without the full use of all CICS messages, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHMEBU, DFHMEIN, DFHMEWT, DFHMEME

Destination
Console

DFHME0103 applid Insufficient 64-bit storage to load module modname.

Explanation
The message language module modname cannot load as there was insufficient 64-bit storage available. The language module is defined in the SIT for messages in a particular language, or is the default language module.

The default language is always used for messages sent to transient data queues and to consoles (unless it is a double-byte language when the message is sent to the console in English). If the default language module cannot load, no messages can be delivered. Terminals can have messages in the default language or in another chosen language. If the chosen language module cannot load, terminal messages use the default language instead.

System action
An exception entry is made in the trace table and a dump is taken, unless you specifically suppressed dumps in the dump table. This situation might not be critical, so CICS is not terminated unless the default language module cannot load, (even if you have specified terminate in the dump table).

If the missing module is not the default language module, CICS uses the default language for messages to terminals. If the default language module cannot load, a return code is sent to the domain manager which terminates CICS.

User response
If the default language is in use and this is acceptable, you do not need to bring CICS down, or you can bring CICS down at a more convenient time.

If the default language is in use but this is not acceptable, or if the default language module itself is missing, bring CICS down and increase the z/OS MEMLIMIT parameter.
Alternatively, remove unwanted language modules from storage to obtain more storage space. To do this, bring CICS down and either remove the language codes you do not need from the SIT, or respecify the list of language modules as an override parameter. Then restart CICS.

**Note:**
You should not remove the default language module from the SIT.

**Module:**

**Destination**
Console

DFHME0105  
`applid Insufficient storage to load module modname.`

**Explanation**
An MVS load has failed. The message language module `modname` could load as there was insufficient storage available. The language module is defined in the SIT for messages in a particular language, or is the default language module.

The default language is always used for messages sent to transient data queues and to consoles (unless it is not a double-byte language, when the message is sent to the console in English). If the default language module cannot load, no messages can be delivered. Terminals can have messages in the default language or in another chosen language. If the chosen language module cannot load, terminal messages use the default language instead.

**System action**
An exception entry is made in the trace table and a dump is taken, unless you specifically suppressed dumps in the dump table. This situation might not be critical, so CICS is not terminated unless the default language module cannot load (even if you have specified `terminate` in the dump table).

If the missing module is not the default language module, CICS uses the default language for messages. If the default language module cannot load, a return code is sent to the domain manager, which terminates CICS.

**User response**
If the default language is in use and this is acceptable, you do not need to bring CICS down, or you can bring CICS down at a more convenient time.

If the default language is in use but this is not acceptable, or if the default language module itself is missing, try decreasing the size limits of the DSAs or EDSAs. Or you could try increasing the size of the whole region, if it is not already at maximum size.

Alternatively, remove unwanted language modules from storage to obtain more storage space. To do this, bring CICS down, remove the language codes you do not need from the SIT or respecify the list of language modules as an override parameter, and restart CICS.

**Note:**
You should not remove the default language module from the SIT.

**Module:**

**Destination**
Console

DFHME0106  
`applid Module modname could not be loaded. REGISTER 1 = X'nnnnnnnn' and REGISTER 15 = X'nnnnnnnn'`

**Explanation**
The message language module `modname` could not be loaded. The reason that it could not be loaded is given by the contents of registers 1 and 15, which are returned by MVS.

**System action**
If the missing module is not the default language module, CICS uses the default language for messages. If the default language module is missing, a return code is sent to the domain manager and CICS is terminated.

An exception entry is made in the trace table and a dump is taken, unless you have specifically suppressed dumps in the dump table. As this may not be a critical problem, CICS is not terminated unless the default language module cannot be loaded (even if you have specified `terminate` in the dump table).

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
If the default language is in operation and this is acceptable, you need not bring CICS down, or you may do so at some convenient time.
If the default language is in operation and this is not acceptable, or if the default language module itself is missing, consult the MVS messages and codes manual to check the return codes displayed in the message. The return codes indicate why the module could not be loaded.

**Module:** DFHMEDM

**Destination**

Console

DFHME0107 applid Module modname cannot be found in the library.

**Explanation**

The message load module modname was not found in the library defined in the JCL for the CICS job. This load module is a language module for messages. It is either a module which has been defined in the SIT for messages in a particular language, or it is the default language module.

The default language is always used for messages sent to transient data queues and to consoles (providing that it is not a double-byte language, in which case the message is sent to the console in English). If the default language module is missing no messages can be delivered.

Terminals can have messages in the default language or in another chosen language. If the chosen language module is missing, terminal messages use the default language instead.

**System action**

An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. But since this may not be a critical error, CICS is not terminated immediately, even if you have specified this in the dump table, unless the default language module is missing, (even if you have specified terminate in the dump table).

If the missing module is not the default language module, CICS uses the default language for messages. If the default language module is missing, a return code is sent to the domain manager and CICS is terminated.

**User response**

This error could have occurred because of a problem in a library or in the SIT. If the default language is in operation and this is acceptable, you need not bring CICS down, or you may do so at some convenient time.

The missing module may have been placed in the wrong library, or the wrong or misspelled module name may have been used in the right library.

If the default language is in operation and this is NOT acceptable, link the missing module into the library defined in the JCL for your CICS job by correcting whichever of the problems has occurred. You have to bring CICS down to do this.

It is also possible that an incorrect or misspelled language code has been used in the SIT. In this case, you have to bring CICS down, reinstall your chosen language code as a system initialization parameter, and restart CICS.

If you no longer need this language module, you should remove it from the SIT at the next convenient opportunity.

If the default language module is missing, CICS is terminated by the domain manager. You need to discover whether the fault is in the library or the SIT and follow the appropriate procedure above.

If the missing module is called CJDMCT1x (where x is 'E', 'K' or 'C') then the SEYUAUTH dataset must be added to the CICS region's STEPLIB concatenation.

**Module:** DFHMEDM

**Destination**

Console

DFHME0108 applid Message msgno cannot be found in module modname.

**Explanation**

Message msgno should have been delivered, but was not found in message language module modname.

This module is the national language module specified in the SIT by the user which gives messages in a chosen language.

**System action**

An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified terminate in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.
User response
This indicates an error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue to run without message number msgno.

Note that this message will appear after maintenance has been applied to the CICS message domain if there are older, pre-maintenance, versions of the DFHMETx1 message modules elsewhere in the STEPLIB concatenation.

If you have just applied maintenance and are encountering this message, check for, and remove, older versions of the message modules in the STEPLIB concatenation.

If the problem persists, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHMEIN

Destination
Console

DFHME0109  applid Message set setname could not be found in module modname while producing message msgno.

Explanation
Message set setname was not found in the message language module modname.

The setname is the first two characters after the DFH in CICS messages (for example, LD or 21), which is followed by the message number.

System action
An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified terminate in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
This message indicates an error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue without message number msgno.

Module:
DFHMEBU

Destination
Console

DFHME0111  applid Insert ii is missing for message msgno.

Explanation
Insert ii is required for message msgno. The insert was not found.
System action
CICS delivers the message with ?? in place of the missing insert ii.

An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. But since this may not be a critical error, CICS is not terminated, even if you have specified terminate in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Ensure that you have loaded the correct message language module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates an error in CICS code. However, its impact may not be serious. For example, the error may only occur once, or you may decide to continue without message msgno being produced.

If the problem persists, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHMEBU

Destination
Console

DFHME0113 applid Incorrect parameters used in call to DFHMEME for message msgno.

Explanation
A call to the message (ME) domain for message msgno was made with a combination of parameters that is not valid.

System action
An exception entry is made in the trace table. A dump is taken, unless you specifically suppressed dumps in the dump table. CICS is not terminated, even if you specified terminate in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Ensure that you load the correct message language module. That is, ensure that you specify the correct language in the NATLANG system initialization parameter and that the library concatenation that your CICS job accesses contains the correct message language module.

This message indicates a severe error in CICS code, but its impact may not be serious. For example, the
error might occur only once, or you might decide to continue without message msgno.

If the problem persists, contact your IBM Support Center. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHMEME

**Destination**
Console

DFHME0115 applid modname Message module for language language not found. The default module modnameb is used.

**Explanation**
Cannot find message language module modname for the national language language in the list of available modules. A CICS program has called for a message in a particular language from the message domain, but the message domain cannot locate the message in that language.

The message language module might be unavailable because the LOAD for the appropriate message language module failed at initialization. In this situation, there will be an earlier message about the failed LOAD. Alternatively, the module might be unavailable because the language specified on the terminal or userid definition was not specified in the SIT or was specified incorrectly.

**System action**
An exception entry is made in the trace table. A dump is taken, unless you specifically suppressed dumps in the dump table. This situation might not be critical, so CICS is not terminated, even if you specified terminate in the dump table.

All messages that should appear in language language in module modname appear in the system default language modnameb instead.

**User response**
Your action depends on whether it is acceptable to use the default language for messages. If it is acceptable, CICS can continue to run and you can resolve the problem at a convenient time. You might need to change a terminal or userid definition if that is the cause of the problem.

If it is not acceptable to use the default language, and if module modname failed to load at initialization, refer to the earlier message about the failed LOAD for the action to take.

Otherwise, bring CICS down and specify module modname in the SIT or respecify the list of language modules as an override parameter. Then restart CICS.

**Module:**
DFHMEIN
Destination
Console

DFHME0116 applid (Module:modname) CICS symptom string for message msgno is symstring

Explanation
Message msgno has been issued as the result of a possible CICS error.
Symptom string symstring has been produced to provide additional diagnostic information for IBM support.

System action
This message accompanies message msgno and has no effect on the system action. The system action is that stated in message msgno.

User response
Refer to the user response of message msgno which provides the necessary information to determine if the error is serious enough to be reported to IBM Support.

Module:
DFHMEME

XMEOUT parameters/Message inserts
1. applid
2. modname
3. msgno
4. symstring

Destination
Console

DFHME0117 applid The Message User Exit point XMEOUT is unavailable for message msgno

Explanation
The message (ME) domain cannot use the message user exit point 'XMEOUT' when processing message msgno. The exit point was probably invoked too early in CICS initialization. The user exit service module, DFHAPEX, returns a response of KERNERROR to the message (ME) domain.

System action
This error is not severe, so the message (ME) domain continues processing. The message user exit does not suppress or reroute the message msgno. It is issued to the original destination defined for message msgno.

User response
No action required. You cannot suppress message msgno because the error has occurred too early in initialization.

Module:
DFHMEME

Destination
Console

DFHME0118 applid An error has occurred when calling the Message User Exit for message msgno

Explanation
The message (ME) domain has received an incorrect response from DFHAPEX, the program that invoked the message user exit.

System action
The error is not severe, so the message (ME) domain will continue processing. The message msgno which the message (ME) domain attempted to produce is not suppressed or rerouted but is issued to its original destination.

User response
This message indicates a probable error in the message user exit. Ensure that your message user exit program is working properly.

However, it is possible that the user exit service module, DFHAPEX, has been corrupted. DFHAPEX issues an exception trace entry to indicate that there is an error, but does not issue its own error message via the message (ME) domain because this action would cause CICS to loop. In this situation, contact your IBM Support Center. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHMEME

Destination
Console
DFHME0119 applid Message msgno has an invalid {Destination | User Exit | Message Identification} component

**Explanation**

The message (ME) domain has encountered an invalid component in the definition of message msgno in the message language module. The message language module may have been corrupted or be at the wrong release level.

**System action**

The ME domain produces an exception trace entry and continues processing. No dump is taken.

**User response**

Ensure that you are using the correct level of the message language module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates a severe error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue without message number msgno. If you feel it is not important, you can continue to run your system without this message until a convenient time comes to resolve the problem.

If the problem persists, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHMEIN

**Destination**

Console

DFHME0120I applid Message msgno has been rerouted to its original destination.

**Explanation**

The message domain user exit point XMEOUT attempted to route message msgno to a transient data (TD) queue while CICS is quiescing or terminating. After CICS shutdown has started, a message can be rerouted to a TD queue only if its original destination was a TD queue.

**System action**

The message is rerouted to its original destination.

**User response**

No action required. For programming information about the XMEOUT user exit, see the Developing system programs for CICS.

**Module:** DFHMEME

**XMEOUT parameters/Message inserts**

1. applid
2. msgno

**Destination**

Console

DFHME0121 applid The {first | second} attempt at formatting message msgno, TD queue queue name has failed - {Invalid DBCS format | Unknown error}

**Explanation**

The message (ME) domain was trying to produce message msgno (destined for transient data queue queue name). However, an invalid response has been returned from the message formatting routine, DFHMEFO. This error is probably due to invalid DBCS characters being found in either the message inserts or the message text. The message text is checked at definition time for mismatched shift-out and shift-in characters. However, adjacent shift-in and shift-out characters could appear in a message, for instance, if a double byte message insert has not been supplied correctly.

The message (ME) domain first tries to format the message into 128-byte segments. However, if the transient data queue has been defined with a different queue length, formatting is performed a second time using the new queue length. (Hence the reason for first or second attempts at formatting the message.)

**System action**

A dump is taken. The message domain does not issue the message being formatted. An exception trace entry is made by the formatting routine DFHMEFO.

**User response**

This message indicates an error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue without the message msgno. If you feel it is not critical, you can continue to run your system
without message msgno until a convenient time comes to resolve the problem.

If the problem persists, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHMEME

**Destination**

Console

**DFHME0122 applid The Message User Exit has returned invalid route code information for message number msgno**

**Explanation**
The message user exit program has set an invalid route code as the destination of message msgno. Valid route codes are numbers 1 to 28 inclusive.

**System action**
The message (ME) domain ignores the invalid route code and defaults to the original destination that is defined for message msgno in the message language module.

**User response**
Check that your message user exit program sets valid route code information for message msgno.

**Module:** DFHMEME

**Destination**

Console

**DFHME0123 applid The Message User Exit has returned invalid TD queue information for message number msgno**

**Explanation**
The message user exit program has set an invalid queue name as the destination of the message msgno. Valid queue names consist of 4 alphanumeric characters.

**System action**
The message (ME) domain ignores the invalid queue name and defaults to the original destination that is defined for message msgno in the message language module.

**User response**
Check that your message user exit program sets valid queue name information for message msgno.

**Module:** DFHMEME

**Destination**

Console

**DFHME0124 applid TD is unavailable for writing message msgno to TD queue queueuname**

**Explanation**
The message (ME) domain has tried to output message msgno to transient data queue queueuname. However, transient data (TD) is not yet available. This situation may occur early in CICS initialization.

**System action**
If the message destination is CDBC, the message is rerouted to the console instead. If the message destination is any other TD queue, it is lost.

**User response**
The impact of this error may not be severe. For example, the error may only occur once, or you may decide to continue without message msgno. If you feel it is not critical, you can continue to run your system without message msgno until a convenient time comes to resolve the problem.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHMEME

**Destination**

Console

**DFHME0125 applid The Message User Exit has returned an invalid return code rc for message msgno**

**Explanation**
The message user exit program has returned a return code rc that is not 0 or 4 when it processed message
msgno. (A return code of 4 indicates that the message should be suppressed.)

**System action**

The message (ME) domain continues processing and does not suppress or reroute the message. Instead, it issues the message as it was originally defined in the message language module.

**User response**

Check that your message user exit program is working properly, and that it passes the correct return code back to the message (ME) domain.

**Module:** DFHMEME

**Destination**

Console

DFHME0126  applid Error in SYMREC invocation.  
Return code in R15 = X'nnnnn', Reason code in R0 = X'nnnnn'.

**Explanation**

While handling an error, CICS tried to write a symptom record to SYS1.LOGREC.

However, a further problem was detected while attempting to invoke the SYMREC service.

Return code X'mmmmm' in register 15 and reason code X'nnnnn' in register 0 indicate the reason for the error. This may be one of the following:

- CICS has been prevented from writing the symptom record to SYS1.LOGREC by the ASREXIT MVS installation exit. In this case a system dump is not produced.
- There is an error in the SYMRBLD macro. (This is the macro CICS uses to build its symptom records.)
- CICS has supplied invalid data to be added to the symptom record.
- There is an error in the SYMREC service. Examples of possible problems include a storage error, or insufficient space in the LOGREC buffer.
- The SYMREC service is currently inoperative.

**System action**

Processing continues and a system dump may be produced.

An exception trace entry (pointid=X'0806') is made in the trace table which contains the symptom record which CICS attempted to write.

**User response**

Determine whether the error was caused by a problem in the format of the symptom record produced by CICS, or by a problem in the SYMREC service.

The meanings of the return and reason codes, together with additional information about the SYMREC service can be found in the z/OS MVS Programming: Assembler Services Reference ABE-HSP manual.

Return codes 0010 or 0014 indicate a problem in the SYMREC service which must be reported to the MVS System Administrator.

A return code of 000C and a reason code of 0F1C indicates that the ASREXIT installation exit has prevented CICS from writing the symptom record. This could be caused by an installation error. Report the problem to your MVS system administrator.

Any other return code indicates that the symptom record is invalid to the SYMREC service.

The impact of this error need not be severe, if for example, the problem occurs only as an isolated incident or on the production of a particular message. In these cases, this message can be ignored.

However, if the problem is persistent, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHMEWS

**Destination**

Console

DFHME0127  applid A severe error (code X'code') has occurred in module modname.

**Explanation**

An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

**System action**

An exception entry is made in the trace table. For further information about CICS exception trace entries, refer to the Troubleshooting and support.

A dump is taken, unless you have specifically suppressed dumps in the dump table. But since this
error may not be critical, CICS is not terminated immediately, even if you have specified **terminate** in the dump table.

No symptom string is produced for this message because the error has occurred in a module concerned with symptom strings.

**User response**

Inform the system programmer. This message indicates a severe error in CICS code. However, the impact of this error should not be severe because the module DFHMEWS is not crucial to CICS functioning.

If the problem recurs, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHMEWS

**Destination**
Console

**DFHME0128**  **applid Message msgno has an invalid route code.**

**Explanation**
The routine which issues the console message was unable to do so as it encountered an invalid route code associated with message *msgno*. Valid route codes are numbers from 1 through 28.

This error could only happen if the route codes have become corrupted as they are being passed to the routine which issues the console message, DFHSUWT.

**System action**
The message (ME) domain issues an exception trace entry. Message *msgno* is not issued.

**User response**
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHMEMEME

**Destination**
Console

**DFHME0130**  **applid Message msgno has an invalid descriptor code.**

**Explanation**
The routine which issues the console message was unable to do so as it encountered an invalid descriptor code associated with message *msgno*. Valid descriptor codes are numbers 1 through 16.

This error could only happen if the descriptor codes have become corrupted as they are being passed to the routine which issues the console message, DFHSUWT.

**System action**
The message (ME) domain issues an exception trace entry. Message *msgno* is not issued.

**User response**
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHMEMEME

**Destination**
Console

**DFHME0129**  **applid Unable to format console message msgno as it contains invalid DBCS characters.**

**Explanation**
The routine which attempted to format console message *msgno* was unable to do so as it was found to contain invalid double byte (DBCS) characters. For example, adjacent or unmatched pairs of shift-in and shift-out characters are invalid in a string of DBCS text.

This situation could occur if there are inserts in the message which contain, for example, a shift-out and a shift-in character with no double byte characters entered in between.

**System action**
The message (ME) domain continues processing but message *msgno* is not issued as it cannot be formatted. The message formatting routine, DFHMEFO, issues an exception trace entry. The routine which issues console messages, DFHSUWT, also issues an exception trace entry.

**User response**
Ensure that any double-byte information entered from a terminal which may be used as a message insert is entered correctly.
Module: DFHMEME
Destination Console

DFHME0131 applid Unable to calculate length of message msgno due to message table corruption, code(code)

Explanation
The message (ME) domain could not calculate the length of the message msgno due to possible corruption of the message language module.

System action
A return code is sent to the caller of the message (ME) domain. The message msgno is not issued.

User response
Ensure that you are using the correct level of the message data module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates an error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may need to continue without message number msgno. If you feel it is not critical, you can continue to run your system without message msgno until a convenient time comes to resolve the problem.

You may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHMEME
Destination Console

DFHME0132 applid The User's Message Exit program has failed while processing message msgno

Explanation
The user's message exit program is looping or has failed with a program check.

System action
The message (ME) domain continues processing and issues message msgno to its original destination. The user exit service module DFHAPEX issues an exception trace entry to indicate that the user's message exit program has failed. It does not issue its own error message via the message (ME) domain because this action would cause CICS to loop.

User response
Disable your message exit program and ensure that it works correctly.

Module: DFHMEME
Destination Console

DFHME0133 applid Message msgno could not be found in module DFHMEMGT

Explanation
The message domain was trying to issue one of its own error messages to indicate that an error had occurred in the message domain. However, the message domain was unable to find the message it was attempting to issue in its own internal message table DFHMEMGT.

System action
An exception entry is made in the trace table by the message domain. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified terminate in the dump table.

User response
This message indicates an error in CICS code. However, its impact may not be severe.

If the problem persists, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHSUME
Destination Console

DFHME0134 applid Message msgno has been truncated because it was too long.
Explanation

The message (ME) domain was trying to output message msgno, but truncated the message because it was too long. Message msgno is a conversational message to an operator which has exceeded the maximum size of 119 characters.

System action

The ME domain truncates the message to 119 bytes before issuing it. An exception trace entry is made and a dump taken, but processing continues.

User response

This message indicates that msgno has been incorrectly defined in the message table, or that the inserts supplied to the message have caused it to exceed the size limit imposed on conversational messages. If enough information can be obtained from the truncated message, the impact of this error may not be severe. If necessary, you can continue to run your system without this message until a convenient time comes to resolve the problem.

If the problem persists, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHMEME

Destination

Console

DFHME0135 applid The default language language specified in the SIT NATLANG parameter is invalid. It has been defaulted to E.

Explanation

The default language is the first character in the NATLANG system initialization parameter. The default language language is not in the list of valid CICS language suffixes.

System action

CICS continues with a default language of E (US English).

User response

If you do not want a default language of E, change the first character in the NATLANG system initialization parameter to another valid CICS language suffix. See the Configuring for a list of valid CICS language suffixes.

Module:
DFHMESR

Destination

Console

DFHME0136 applid Message msgno is missing from national language module modname. Searching the English message table for the message text.

Explanation

Message msgno cannot be issued in the specified language because the message was not found in the national language module modname.

This could be the result of a PTF containing message msgno not being applied to the module modname. In this case, the text of the missing message could be present in the English language message table DFHMET1E.

System action

An exception entry is made in the trace table. The message domain tries to find the message in the English language message table. If the message is not found in the English table either, message DFHME0108 is issued followed by a system dump.

User response

Run the MEU PTF update process to ensure that any new messages have been applied to your language table modname, and rebuild this table. See the CICS documentation for guidance on this.

If message DFHME0108 follows this message, there is an error in CICS code and you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHMEIN

Destination

Console

DFHME0137 applid Message msgno cannot be rerouted to a transient data destination by the message user exit XMEOUT.
Explanation
The message msgno cannot be rerouted to a transient
data destination by using the message user exit point
XMEOUT because this might cause CICS to loop.

System action
An exception entry is made in the trace table. The
message (ME) domain ignores the queue destination
returned by the message exit and defaults to the
original destination that is defined for message msgno
in the message language module.

User response
Alter your message user exit program so that the
message msgno is not rerouted to a transient
data destination. The message domain passes the
norreroute indicator to the exit so that the exit program
can check whether it is valid to reroute a particular
message.

Module:
DFHMEME

Destination
Console

DFHME0138 Message msgno not issued by
module because MVS WTO is short
on storage

Explanation
The message msgno cannot be written to the console
because MVS is short on storage and the MVS WTO
has abended with either abend code 878, 80A or
804 while trying to issue the message. The message
domain module which was attempting to issue the
message is module.

System action
An exception trace entry is written by the message
domain and a dump is taken for dumpcode ME0138.
Message DFHME0138 is written out in message text
part of the dump summary instead of being sent to the
console in order to avoid causing another abend.

User response
Ensure you have enough storage for MVS or reduce
the storage requirements of your CICS system below
16MB. Try decreasing the limits of the CICS dynamic
storage areas (DSAs), or increasing the MVS region
size. To increase the MVS region size you must
terminate CICS and change the MVS JCL REGION
parameter. For more information about how to do this,
see the Improving performance.

Module:
DFHMEME, DFHSUME

Destination
SYSPRINT

DFHME0139 applid (Module:modname)
Message msgno has been
suppressed by KILL processing.

Explanation
Message msgno has been suppressed for a task that is
being killed.
The message and system dump request have been
suppressed because the error has been caused by the
attempt to kill the task.

System action
The attempt to kill the task continues.

User response
None

Module:
DFHMEME

XMEOUT parameters/Message inserts
1. applid
2. modname
3. msgno

Destination
Console

DFHME0140 applid CICSPlex SM messages
cannot be issued because the
English message table modname
cannot be found.

Explanation
The message load module modname was not found in
STEPLIB for the CICS job. This load module is required
for CICSPlex SM messages.

System action
An exception entry is made in the CICS trace table.
Message domain stops processing this message and
returns a disaster response to CICSPlex SM which in
turn cannot continue to issue messages because its message module has not been loaded.

**User response**

This error could have occurred because the CICSPlex SM authorized library, which contains the default message load module, is not in the JCL for the CICS job. Ensure that the correct library is included in the STEPLIB concatenation of the CICS JCL and restart your CICS.

**Module:**  
DFHMEME

**Destination**  
Console

DFHME0141  
Message msgno not issued by module because MVS WTOR is short on storage.

**Explanation**

The message msgno cannot be written to the console because MVS is short on storage and the MVS WTOR has abended with abend code D23 while trying to issue the message. The message domain module which was attempting to issue the message is module.

**System action**

An exception trace entry is made in the trace table. A dump is taken, unless you specifically suppressed dumps in the dump table.

CICS is not terminated, even if you specified terminate in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Ensure you have enough storage for MVS or reduce the storage requirements of your CICS system below 16MB. Try decreasing the limits of the CICS dynamic storage areas (DSAs), DSALIM, or increasing the MVS region size. To increase the MVS region size you must terminate CICS and change the MVS JCL REGION parameter. For more information about how to do this, see the Improving performance.

**Module:**  
DFHMEME

**Destination**  
SYSPRINT

DFHME0213  
applid modname Message module for language language not found. The default module modnameb is used.

**Explanation**

Cannot find the message language module modname for the national language language in the list of available modules. A CICS program has called for a message in a particular language from the message domain, but the message domain cannot locate the message in that language.

The message language module might be unavailable because the LOAD for the appropriate message language module failed at initialization. In this situation, there will be an earlier message about
the failed LOAD. Alternatively, the module might be unavailable because the language specified on the terminal or userid definition was not specified in the SIT or was specified incorrectly.

System action
An exception entry is made in the trace table. A dump is taken, unless you specifically suppressed dumps in the dump table. This situation might not be critical, so CICS is not terminated, even if you specified terminate in the dump table.

All messages that should appear in language language in module modname appear in the system default language modnameb instead.

User response
Your action depends on whether it is acceptable to use the default language for messages. If it is acceptable, CICS can continue to run and you can resolve the problem at a convenient time. You might need to change a terminal or userid definition.

If it is not acceptable to use the default language, and if module modname failed to load at initialization, refer to the earlier message about the failed LOAD for the action to take.

Otherwise, bring CICS down and specify module modname in the SIT or respecify the list of language modules as an override parameter. Then restart CICS.

Module: DFHME64

Destination
Console

DFHME0217 applid The Message User Exit point XMEOUT is unavailable for message msgno.

Explanation
The message (ME) domain cannot use the message user exit point 'XMEOUT' when processing message msgno. The exit point was probably invoked too early in CICS initialization. The user exit service module, DFHAPLEX, returns a response of KERNERROR to the message (ME) domain.

System action
This error is not severe, so the message (ME) domain continues processing. The message user exit does not suppress or reroute the message msgno. It is issued to the original destination defined for message msgno.

User response
No action required. You cannot suppress message msgno because the error has occurred too early in initialization.

Module: DFHME64

Destination
Console

DFHME0218 applid An error has occurred when calling the Message User Exit for message msgno.

Explanation
The message (ME) domain has received an incorrect response from DFHAPLEX, the program that invoked the message user exit.

System action
The error is not severe, so the message (ME) domain continues processing. The message msgno which the message (ME) domain attempted to produce is not suppressed or rerouted but is issued to its original destination.

User response
This message indicates a probable error in the message user exit. Ensure that your message user exit program is working properly.

Alternatively, the user exit service module, DFHAPLEX, might be corrupted. DFHAPLEX issues an exception trace entry to indicate that there is an error, but does not issue its own error message via the message (ME) domain because this action would cause CICS to loop. In this situation, contact your IBM Support Center. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHME64

Destination
Console

DFHME0220I applid Message msgno has been rerouted to its original destination.

Explanation
The message domain user exit point XMEOUT attempted to route message msgno to a transient data
(TD) queue while CICS is quiescing or terminating. After CICS shutdown has started, a message can be rerouted to a TD queue only if its original destination was a TD queue.

**System action**
The message is rerouted to its original destination.

**User response**
No action required. For programming information about the XMEOUT user exit, see the Developing system programs for CICS.

**Module:**
DFHME64

**XMEOUT parameters/Message inserts**
1. applid
2. msgno

**Destination**
Console

DFHME0222  **applid** The Message User Exit has returned invalid route code information for message number *msgno*.

**Explanation**
The message user exit program has set an invalid route code as the destination of message *msgno*. Valid route codes are numbers 1 to 28 inclusive.

**System action**
The message (ME) domain ignores the invalid route code and defaults to the original destination that is defined for message *msgno* in the message language module.

**User response**
Check that your message user exit program sets valid route code information for message *msgno*.

**Module:**
DFHME64

**Destination**
Console

DFHME0223  **applid** The Message User Exit has returned invalid TD queue information for message number *msgno*.

**Explanation**
The message user exit program has set an invalid queue name as the destination of the message *msgno*. Valid queue names consist of 4 alphanumeric characters.

**System action**
The message (ME) domain ignores the invalid queue name and defaults to the original destination that is defined for message *msgno* in the message language module.

**User response**
Check that your message user exit program sets valid queue name information for message *msgno*.

**Module:**
DFHME64

**Destination**
Console

DFHME0225  **applid** The Message User Exit has returned an invalid return code *rc* for message *msgno*.

**Explanation**
The message user exit program has returned a return code *rc* that is not 0 or 4 when it processed message *msgno*. (A return code of 4 indicates that the message should be suppressed.)

**System action**
The message (ME) domain continues processing and does not suppress or reroute the message. Instead, it issues the message as it was originally defined in the message language module.

**User response**
Check that your message user exit program is working properly, and that it passes the correct return code back to the message (ME) domain.

**Module:**
DFHME64

**Destination**
Console
DFHME0232  \textit{applid} The User's Message Exit program has failed while processing message \textit{msgno}.

**Explanation**

The user's message exit program is looping or has failed with a program check.

**System action**

The message (ME) domain continues processing and issues message \textit{msgno} to its original destination. The user exit service module DFHAPLEX issues an exception trace entry to indicate that the user's message exit program has failed. It does not issue its own error message through the message (ME) domain because this action would cause CICS to loop.

**User response**

Disable your message exit program and ensure that it works correctly.

**Module:** DFHME64

**Destination**

Console

**Module:** DFHME64

**Destintion**

Console

**DFHME0237** \textit{applid} Message \textit{msgno} cannot be rerouted to a transient data destination by the message user exit XMEOUT.

**Explanation**

The message \textit{msgno} cannot be rerouted to a transient data destination by using the user exit point XMEOUT because this might cause CICS to loop.

**System action**

An exception entry is made in the trace table. The message (ME) domain ignores the queue destination returned by the message exit and defaults to the original destination that is defined for message \textit{msgno} in the message language module.

**User response**

Alter your message user exit program so that the message \textit{msgno} is not rerouted to a transient data destination. The message domain passes the noreroute indicator to the exit so that the exit program can check whether it is valid to reroute a particular message.

**Module:** DFHME64

**Destination**

Console

**DFHME0240** \textit{applid} CICSPlex SM messages cannot be issued because the English message table \textit{modname} cannot be found.

**Explanation**

The message load module \textit{modname} was not found in STEPLIB for the CICS job. This load module is required for CICSPlex SM messages.

**System action**

An exception entry is made in the CICS trace table. Message domain stops processing this message and returns a disaster response to CICSPlex SM which in turn cannot continue to issue messages because its message module has not been loaded.

**User response**

This error could have occurred because the CICSPlex SM authorized library, which contains the default message load module, is not in the JCL for the CICS job. Ensure that the correct library is included in the STEPLIB concatenation of the CICS JCL and restart your CICS.

**Module:** DFHME64

**Destination**

Console

**DFHME0500** PLEASE ENTER A MESSAGE NUMBER.

**Explanation**

No search of the messages and codes file has been made because both the component ID and message number fields were blank when you pressed the ENTER key.

**System action**

The transaction redisplay the main menu with this message.
User response
Enter a valid message number or abend code.

Module: DFHCMAC

Destination
Terminal End User

DFHME0501 AN INVALID OPTION HAS BEEN ENTERED.

Explanation
A key other than F3 or ENTER has been pressed.

System action
The transaction redisplays the main menu with this message.

User response
Enter a valid message number or abend code and press ENTER, or press a valid function key.

Module: DFHCMAC

Destination
Terminal End User

DFHME0502 THE CMAC FILE IS DISABLED.

Explanation
The CMAC file is disabled for one of these reasons:
- The file was initially defined as disabled and has not been enabled
- The file has been disabled by an EXEC CICS SET command or by the CEMT transaction.

System action
The transaction redisplays the main menu with this message.

User response
Enter a valid message number or abend code and press ENTER, or press a valid function key.

Module: DFHCMAC

Destination
Terminal End User

DFHME0503 THE CMAC FILE IS NOT DEFINED TO CICS.

Explanation
The CMAC file is not defined to CICS.

System action
The transaction redisplays the main menu with this message.

User response
Check that the CMAC file has been defined and installed. See the Installing CICS TS for guidance.

Module: DFHCMAC

Destination
Terminal End User

DFHME0504 RESOURCE SECURITY CHECK FAILED ON CMAC FILE.

Explanation
The resource security check has failed.

System action
The transaction redisplays the main menu with this message.

User response
Ensure that the resource security class is correct.

Module: DFHCMAC

Destination
Terminal End User

DFHME0505 THE CMAC FILE IS CLOSED OR UNENABLED.

Explanation
One of the following has occurred:
• The requested file is CLOSED and UNENABLED. The CLOSED, UNENABLED state is reached after a close request has been received against an OPEN ENABLED file and the file is no longer in use. This state can be specified as the initial state by defining a file using the RDO options STATUS = UNENABLED and OPENTIME = FIRSTREF.

• The requested file is OPEN and UNENABLED and in use by other transactions, but a close request against the file has been received.

**System action**
The transaction redisplays the main menu with this message.

**User response**
Use the CEMT transaction to ensure that the CMAC file is in the OPEN ENABLED state.

**Module:** DFHCMAC

**Destination**
Terminal End User

**Explanation**
The attempt to retrieve the specified message number or abend code has been unsuccessful.

**System action**
The transaction redisplays the main menu with this message.

**User response**
Ensure that the correct message number or abend code has been entered.

If no message numbers or abend codes appear to be valid, check that the correct DSName has been specified on the CMAC file definition.

**Module:** DFHCMAC

**Destination**
Terminal End User

**Explanation**
The message DFHmsgno could not be found by the message (ME) domain in the message tables.

**System action**
CICS continues.
User response
If the problem persists, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHMGPMEM

Destination
Terminal End User

DFHME9994I UNABLE TO RETRIEVE MESSAGE msgno - response reason

Explanation
The message DFHmsgno could not be retrieved by the message (ME) domain from the message tables.

System action
CICS continues.

User response
If the problem persists, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHMGPMEM

Destination
Terminal End User

DFHME9996I MESSAGE PARAMETER LIST ERROR - CHECK PLIST

Explanation
The parameter list for the message generation process is not valid.

System action
CICS continues but the message in error cannot be issued.

User response
Ensure that the DFHMGT entry for the message has been built correctly.

Module:
DFHMGPM00

Destination
Terminal End User

DFHME9998I MESSAGE NUMBERS GREATER THAN 9999 ARE INVALID

Explanation
The message being issued has a message number greater than 9999. Message numbers should be in the range 1 through 9999.

System action
CICS continues but the message in error cannot be issued.

User response
Redefine the message number.

Module:
DFHMGPM00

Destination
Terminal End User

DFHME9999I THE MESSAGE INDEX MODULE 'DFHMGT' IS MISSING
Explanation
The message generation process cannot find an index module in the DFHMGT table for the message it is trying to issue. This can occur where a message defined as being destined for either a console or a TDQ is being issued as a terminal end user message.

System action
CICS continues but the message in error cannot be issued.

DFHMLnlnnn messages

DFHML0001 applid An abend (code aaaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHML1310).

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

DFHML0002 applid A severe error (code X'code') has occurred in module modname.

Explanation
An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the Troubleshooting and support.

Module:
DFHMLDC, DFHMLPC, DFHMLTF, DFHMLXT

Destination
Console

XMEOUT parameters/Message inserts
1. applid
2. aaaa/bbbb
3. X'offset'
4. modname

User response
Ensure that the destination is correct for the message being issued.

Module:
DFHMGP00

Destination
Terminal End User
System action

An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:

DFHMLDC, DFHMLST, DFHMLTF, DFHMLXT

XMEOUT parameters/Message inserts

1. applid
2. X'code'
3. modname

Destination

Console

DFHML0100 date time applid tranid Call to z/OS XML System Services parser for function function failed with return code X'return_code' and reason code X'reason_code'.

Explanation

A call has been made to the z/OS System Services parser for the function indicated in the message. The call has failed with the parser responding with the return code and reason code given in the message.

System action

The attempt by CICS to parse a block of XML data has failed. An exception trace will have been issued. If this message is issued when a SOAP message is processed then a SOAP fault is returned to the client.

User response

Refer to the XML System Services User's Guide and Reference manual in the z/OS documentation to determine what the return and reason codes returned by the parser mean.

For example, if the return code is set to '4' and the reason code is set to '1301' then this implies a 'warning' because 'the end of the input buffer has been reached'. This in turn may indicate that then end of the XML block has been reached before an expected closing tag was found.

The application or process that generated the XML may have introduced an error. The z/OS System Services parser ensures that the input XML is well formed. If the XML is not well formed then that may cause this message to be issued. Review the XML to discover why it has been rejected.

Module:

DFHMLPC

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. function
6. X'return_code'
7. X'reason_code'

Destination

CMLO and Console

DFHML0101 date time applid tranid Call to z/OS XML System Services parser for function function failed with return code X'return_code' and reason code X'reason_code' at data offset X'error_offset'.

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Explanation
A call has been made to the z/OS System Services parser for the function indicated in the message. The call has failed with the parser responding with the return code and reason code given in the message. The parser has indicated that problem was found within the XML data at offset offset.

System action
The attempt by CICS to parse a block of XML data has failed. An exception trace will have been issued. If this message is issued when a SOAP message is processed then a SOAP fault is returned to the client.

User response
Refer to the XML System Services User's Guide and Reference manual in the z/OS documentation to determine what the return and reason codes returned by the parser mean.

For example, if the return code is set to '4' and the reason code is set to '1301' then this implies a 'warning' because 'the end of the input buffer has been reached'. This in turn may indicate that then end of the XML block has been reached before an expected closing tag was found.

The application or process that generated the XML may have introduced an error. The z/OS System Services parser ensures that the input XML is well formed. If the XML is not well formed then that may cause this message to be issued. Review the XML to discover why it has been rejected.

Module:
DFHMLPC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. function
6. X'return_code'
7. X'reason_code'
8. X'error_offset'

Destination
CMLO and Console

DFHML0500  date time applid userid
tranid XMLTRANSFORM
xmltransform_name for {BUNDLE

Explanation
XMLTRANSFORM xmltransform_name has been added.

System action
The system continues normally.

User response
None.

Module:
DFHMLXT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. tranid
6. xmltransform_name
7. Value chosen from the following options:
   1=BUNDLE,
   2=ATOMSERVICE
8. owner_name

Destination
CMLO

DFHML0501  date time applid userid
tranid XMLTRANSFORM
xmltransform_name for {BUNDLE

Explanation
XMLTRANSFORM xmltransform_name has been deleted.

System action
The system continues normally.

User response
None.
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. tranid
6. xmltransform_name
7. Value chosen from the following options:
   1=BUNDLE,
   2=ATOMSERVICE
8. owner_name

Destination

CMLO

DFHML0502

**Explanation**

XMLTRANSFORM xmltransform_name has changed state. region.

**System action**

The system continues normally.

**User response**

None.

Module:

DFHMLXT

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. tranid
6. xmltransform_name
7. Value chosen from the following options:
   1=BUNDLE,
   2=ATOMSERVICE
8. owner_name

Destination

CMLO

DFHML0503

**Explanation**

XMLTRANSFORM xmltransform_name was not created as another XMLTRANSFORM resource with the same name already exists in the CICS region.

**System action**

The XMLTRANSFORM is not created and the associated BUNDLE is placed in the DISABLED state.

**User response**

Rename the XMLTRANSFORM resource and try again.

Module:

DFHMLXT

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. tranid
6. xmltransform_name
7. Value chosen from the following options:
   1=BUNDLE,
   2=ATOMSERVICE
8. owner_name

Destination

CMLO
Explanation

XMLTRANSFORM xmltransform_name cannot change states because it is not in an appropriate state. region.

System action

The system continues normally.

User response

An XMLTRANSFORM resource is placed in the PERMANENTLY_DISABLED state if there was a problem parsing its XSDBind file when the resource was first installed. It may be necessary to fix the problem with the XSDBind file and then reinstall the BUNDLE before the resource can be enabled.

Module:

DFHMLXT

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. tranid
6. xmltransform_name
7. Value chosen from the following options:
   1=BUNDLE,
   2=ATOMSERVICE
8. owner_name
9. Value chosen from the following options:
   1=ENABLED,
   2=DISENABLED,
   3=DISCARDED
10. Value chosen from the following options:
    1=ENABLING,
Explanation
XMLTRANSFORM xmltransform_name attempted to link to PROGRAM program_name. A problem occurred.

User response
Ensure that the specified program is available in the local CICS region and that an appropriate resource definition exists.

Module:
DFHMLTF

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. trannum
5. xmltransform_name
6. program_name
7. Value chosen from the following options:
   1=the program abended,
   2=there is a problem with the resource definition,
   3=the program cannot be loaded,
   4=an unspecified problem occurred

Environment
CMLO

DFHML0507 date time applid trannum XMLTRANSFORM xmltransform_name was not able to link to PROGRAM program_name because
   1=the program abended,
   2=there is a problem with the resource definition,
   3=the program cannot be loaded,
   4=an unspecified problem occurred.

Explanation
Validation was requested for XMLTRANSFORM xmltransform_name. The validation has been attempted and failed. Either the parsed XML does not match the XML schema, or the generated XML does not match the XML schema.

System action
An INVREQ is returned to the caller.

User response
Consider the detailed message. It will indicate the nature of the problem. Usually this will include a message from the XML parser used to do the validation and will indicate a rule that has been broken in the XML. If the problem is with XML parsed by CICS then change the originator of the XML to correct the problem. If the problem is with XML generated by CICS then determine if the problem can be fixed by changing the CICS application. If the problem is caused by CICS then contact your IBM support representative for further assistance.

If the message indicates that the XML schema document cannot be found then this may be because the XMLTRANSFORM resource does not indicate the ‘XMLSCHEMA’ to use.

Module:
DFHMLTF

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. trannum
5. xmltransform_name
6. message

Destination
CMLO

DFHML0508 date time applid trannum Validation of XML data for XMLTRANSFORM xmltransform_name was successful.

Explanation
Validation was requested for XMLTRANSFORM xmltransform_name. The validation has been performed successfully.
**System action**
None.

**User response**
None.

**Module:** DFHMLTF

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranum
5. xmltransform_name

**Destination**
CMLO

**Explanation**
XMLTRANSFORM xmltransform_name was not created as the candidate resource name is invalid.

**System action**
The XMLTRANSFORM is not created and the associated BUNDLE is placed in the DISABLED state.

**User response**
Rename the XMLTRANSFORM resource and try again.

**Module:** DFHMLXT

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. tranid
6. xmltransform_name
7. Value chosen from the following options:
   - 1=BUNDLE,
   - 2=ATOMSERVICE
8. owner_name

**Explanation**
XMLTRANSFORM xmltransform_name was not created as the associated XML binding is incompatible with the LOCALCCSID. The XML binding was generated without specifying a CCSID and therefore the binding is processed as compatible with US EBCDIC. The LOCALCCSID value for this CICS region is not compatible with US EBCDIC.

**System action**
The XMLTRANSFORM is not created and the associated BUNDLE is placed in the DISABLED state.

**User response**
Regenerate the XML binding specifying the correct value for the CCSID parameter in the XML assistant.

**Module:** DFHMLXT

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. tranid
6. xmltransform_name
7. Value chosen from the following options:
   - 1=BUNDLE,
   - 2=ATOMSERVICE
8. owner_name
**Destination**
CMLO

**DFHML0600**

```
date time applid userid tranid JSONTRANSFRM jsontransfrm_name for BUNDLE owner_name has been added.
```

**Explanation**

JSONTRANSFRM jsontransfrm_name has been created. region.

**System action**

The system continues normally.

**User response**

None.

**Module:**
DFHMLJS

---

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. tranid
6. jsontransfrm_name
7. owner_name

---

**Destination**
CMLO

**DFHML0602**

```
date time applid userid tranid JSONTRANSFRM jsontransfrm_name for BUNDLE owner_name has been {ENABLED | DISABLED}.
```

**Explanation**

JSONTRANSFRM jsontransfrm_name has changed state. region.

**System action**

The system continues normally.

**User response**

None.

**Module:**
DFHMLJS

---

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. tranid
6. jsontransfrm_name
7. owner_name
8. Value chosen from the following options:
   1=ENABLED,
   2=DISABLED
**Explanation**

JSONTRANSFRM `jsontransfrm_name` was not created as another JSONTRANSFRM resource with the same name already exists in the CICS region.

**System action**

The system continues normally.

**User response**

An JSONTRANSFRM resource is placed in the PERMANENTLY_DISABLED state if there was a problem parsing its JSBind file when the resource was first installed. It may be necessary to fix the problem with the JSBind file and then reinstall the BUNDLE before the resource can be enabled.

**Module:**

DFHMLJS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. tranid
6. `jsontransfrm_name`
7. `owner_name`
8. Value chosen from the following options:
   1=ENABLED,
   2=DISABLED,
   3=DISCARDED
9. Value chosen from the following options:
   1=ENABLING,
   2=ENABLED,
   3=DISABLING,
   4=DISABLED,
   5=DISCARDING,
   6=PERMANENTLY_DISABLED,
   7=UNKNOWN
owner_name has an unsupported runtime level.

Explanation
JSONTRANSFRM jsontransfrm_name was not created as the runtime level indicated in its JSBind file is not supported in this version of CICS.

System action
The JSONTRANSFRM is not created and the associated BUNDLE is placed in the DISABLED state.

User response
Regenerate the JSBind file at a supported runtime level.

Module: DFHMLJS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. tranid
6. jsontransfrm_name
7. owner_name

Destination
CMLO

DFHML0610 date time applid userid tranid JSONTRANSFRM jsontransfrm_name for BUNDLE owner_name is incompatible with the LOCALCCSID.

Explanation
JSONTRANSFRM jsontransfrm_name was not created as the associated XML binding is incompatible with the CCSID that is specified in the LOCALCCSID system initialization parameter. The XML binding was generated without specifying a CCSID and therefore the binding is processed as compatible with US EBCDIC. The LOCALCCSID value for this CICS region is not compatible with US EBCDIC.

System action
The JSONTRANSFRM is not created and the associated BUNDLE is placed in the DISABLED state.

User response
Regenerate the XML binding specifying the correct value for the CCSID parameter in the XML assistant.

Module: DFHMLJS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. tranid
6. jsontransfrm_name

Chapter 2. CICS messages 1137
DFHMNnnnn messages

DFHMN0001 **applid** An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.

**Explanation**

An abend or program check has occurred in module *modname*. This implies an error in CICS code. Alternatively, it is possible that unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the z/OS MVS System Codes manual.

Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning a user response.

If module *modname* is not crucial to the running of your CICS system, you have the option to continue to run and to bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHMNAD, DFHMNDM, DFHMNHS, DFHMNMN, DFHMNNNT, DFHMNOD, DFHMNSM, DFHMNSR, DFHMNST, DFHMNSU, DFHMNSY, DFHMNTD, DFHMNTI, DFHMNU, DFHMNXM

XMEOUT parameters/Message inserts

1. **applid**
2. **aaa/bbbb**
3. **X'offset'**
4. **modname**

**Destination**

Console

DFHMN0002 **applid** A severe error (code *X'code'*) has occurred in module *modname*.

**Explanation**

An error has been detected in module *modname*. The code *X'code'* is the exception trace point id which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the Troubleshooting and support.

**System action**

An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.
**User response**

Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *module*, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHMNAD, DFHMNDM, DFHMNSH, DFHMNMN, DFHMNNT, DFHMNOD, DFHMNSM, DFHMNSR, DFHMNST, DFHMNSU, DFHMNSY, DFHMNTD, DFHMNTI, DFHMNUE, DFHMNXM

**XMEOUT parameters/Message inserts**

1. *applid*
2. *X'code'*
3. *modname*

**Destination**
Console

**DFHMN0003 applid Insufficient storage to satisfy Getmain (code X'code') in module modname.**

**Explanation**

A CICS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code *X'code'* is the exception trace point ID which uniquely identifies the place where the error was detected.

**System action**

An exception entry is made in the trace table (code *code* in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. This is a critical error.

If DFHMNDM issues this message, CICS terminates, even if you have specified in the dump table that CICS should not terminate.

If DFHMNMN, DFHMNST or DFHMNXM issues this message, an exception trace and a system dump is taken and CICS continues.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try increasing the size limits of the DSAs or EDSAs. See the Configuring or the Improving performance for further information on CICS storage.

**Module:**
DFHMNDM, DFHMNMN, DFHMNST, DFHMNXM

**XMEOUT parameters/Message inserts**

1. *applid*
2. *X'code'*
3. *modname*

**Destination**
Console

**DFHMN0004 applid A possible loop has been detected at offset X'offset' in module modname.**

**Explanation**

A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset *X'offset'*. This is the offset of the instruction which was executing at the time the error was detected.

**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically
suppressed dumps in the dump table. This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* will be terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See **Working with IBM to solve your problem** for guidance on how to proceed.

**Module:**

DFHMNDM, DFHMNMN, DFHMNSR, DFHMNST, DFHMNSU, DFHMNTI, DFHMNUE, DFHMXNM

**XMEOUT parameters/Message inserts**

1. *applid*
2. *X'offset'*
3. *modname*

**Destination**

Console

**DFHMN0005**

*applid* A hardware error has occurred (module *modname*, code *X'code'*). The Time-of-Day clock is invalid.

**Explanation**

A hardware error has occurred during the running of module *modname*. The MVS Store Clock facility is the timing mechanism for the operating system. The code *X'code'* is the exception trace point ID which uniquely identifies the place where the error was detected.

**System action**

An exception entry (code *X'code'* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer. This is in all probability a hardware error and you should in the first instance investigate the MVS Store Clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will need further assistance from IBM. See **Working with IBM to solve your problem** for guidance on how to proceed.

**Module:**

DFHMNDM, DFHMNMN, DFHMNST, DFHMNUE, DFHMXNM

**XMEOUT parameters/Message inserts**

1. *applid*
2. *modname*
3. *X'code'*

**Destination**

Console

**DFHMN0011**

*applid* An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.
Explanation

An abend or program check has occurred in module modname. This implies an error in CICS code. Alternatively, it is possible that unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table and CICS terminates.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Look up the MVS code, if there is one, in the z/OS MVS System Codes manual. Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning a user response.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:

DFHMNSY

XMEOUT parameters/Message inserts

1. applid
2. aaa/bbbb
3. X'offset'
4. modname

Destination

Console

DFHMN0101 applid SMF error - SMF return code X'rc'.

Explanation

The monitoring domain authorized services routine issued a SMFEWTM macro to write a record to the MVS system management facilities (SMF) data set and encountered a non-zero return code.

System action

The request is ignored and the SMF record is lost. An exception entry is made in the trace table. CICS operation continues.

If the same error condition occurs continuously, the error messages are suppressed but tracing continues. The message is reissued if a different error condition occurs or if a zero return code has been received since the message was last issued.

User response

Consult the z/OS MVS System Management Facilities (SMF) manual for a detailed explanation of the return codes.

Module:

DFHMNSU

XMEOUT parameters/Message inserts

1. applid
2. X'rc'

Destination

Console

DFHMN0103I applid Monitoring control table for suffix 'xx' not found.

Explanation

The monitoring control table for suffix xx could not be found in the library described by the DFHRPL DD statement. This suffix is specified as a system initialization parameter.

System action

Control is returned to the parameter manager for interaction with the operator. Further action depends upon which PARMERR= parameter is specified. The operator may enter another suffix or continue with system initialization.

If initialization continues without an override, monitoring domain uses the default monitoring control table.
User response
There are three likely causes of this error:
• The monitoring control table is not in the library.
• The monitoring control table name has been misspelled.
• An incorrect suffix has been used at startup.

Ensure that the suffix specified is correct and that a library described in the DFHRPL DD statement contains a copy of the named monitoring control table.

If the suffix is incorrect and PARMERR=INTERACT is specified, the operator is prompted to enter an alternative suffix.

If the suffix is incorrect and PARMERR=IGNORE is specified, the monitoring domain uses the default monitoring control table.

If the monitoring control table is missing or misspelled and you want to reinstall it, CICS has to be terminated. Reassemble the monitoring control table into the relevant library.

Module:
DFHMNSR

XMEOUT parameters/Message inserts
1. applid
2. xx

Destination
Console

DFHMN0104 applid Monitoring Control Table with suffix 'xx' required for restart not found.

Explanation
The monitoring domain has determined the monitoring control table suffix xx from the last CICS execution, but was unable to locate the monitoring control table in the library described by the DFHRPL DD statement and no override suffix has been specified.

Subsequent executions of CICS will continue to use the suffix specified in the message until it is changed in the SIT.

System action
Initialization continues with the monitoring domain using the default monitoring control table.

User response
Ensure that a library described in the DFHRPL DD statement contains a copy of the named monitoring control table. If the monitoring control table is missing, it must have been deleted. If you want to reinstall the table, CICS must be terminated. Reassemble the monitoring control table into the relevant library.

Module:
DFHMNDM

XMEOUT parameters/Message inserts
1. applid
2. xx

Destination
Console

DFHMN0105I applid Using default Monitoring Control Table.

Explanation
The monitoring domain is initializing with default monitoring control table settings. This occurs:
1. If the user has specified MCT=NO, or
2. Following message DFHMN0104, or
3. After message DFHMN0103 or DFHMN0106 has been issued, but no corrective action has been taken.

System action
System initialization continues.

User response
None.

Module:
DFHMNDM

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHMN0106 applid Unable to read the catalog record for the Monitoring Domain.
**Explanation**
The monitoring domain has attempted to re-establish the status of the monitoring classes and the monitoring control table suffix under which it was running during the last execution of CICS. But it was unable to successfully read the record from the global catalog.

**System action**
An exception entry is made in the trace table. System initialization continues with the supplied system initialization parameters. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Investigate the cause of the error using any dump or other diagnostic messages which have been issued (for example, from VSAM or MVS).

If the problem has been caused by an I/O error, there will be an earlier CICS message from the catalog. Follow the user response for this message.

If the problem has been caused by an invalid data length, there is an exception trace entry in the trace table.

**Module:**
DFHMNSU

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**
Console

**Explanation**
The monitoring control table with the suffix xx is used for this CICS run.

**System action**
Processing continues.

**User response**
None. You can suppress this message with the system initialization parameter, MSGLVL=0.

**Module:**
DFHMNDM

**XMEOUT parameters/Message inserts**

1. **applid**
2. **xx**

**Destination**
Console

**Explanation**
The monitoring domain has attempted to update either the status of the monitoring classes or the monitoring control table suffix in the CICS global catalog, but was unable to successfully complete the request.

**System action**
An exception entry is made in the trace table, and CICS operation continues with the updated values. Since the updates are not saved across a restart, the subsequent execution of CICS will restart with values recorded before the updates were applied.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Investigate the cause of the error using any dump or other diagnostic messages which have been issued (for example, from VSAM or MVS).

If the problem has been caused by an I/O error, there will be an earlier CICS message from the catalog. Follow the user response for this message.

If the problem has been caused by an invalid data length, there is an exception trace entry in the trace table.

**Module:**
DFHMNDM

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**
Console

**Explanation**
The monitoring domain has attempted to update the catalog record for the Monitoring Domain.

**System action**
An exception entry is made in the trace table, and CICS operation continues with the updated values. Since the updates are not saved across a restart, the subsequent execution of CICS will restart with values recorded before the updates were applied.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Investigate the cause of the error using any dump or other diagnostic messages which have been issued (for example, from VSAM or MVS).

If the problem has been caused by an I/O error, there will be an earlier CICS message from the catalog. Follow the user response for this message.

If the problem has been caused by an invalid data length, there is an exception trace entry in the trace table.

**Module:**
DFHMNSU

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**
Console

**Explanation**
The monitoring control table with the suffix xx is used for this CICS run.

**System action**
Processing continues.

**User response**
None. You can suppress this message with the system initialization parameter, MSGLVL=0.

**Module:**
DFHMNDM

**XMEOUT parameters/Message inserts**

1. **applid**
2. **xx**

**Destination**
Console

**Explanation**
The monitoring domain has attempted to update either the status of the monitoring classes or the monitoring control table suffix in the CICS global catalog, but was unable to successfully complete the request.

**System action**
An exception entry is made in the trace table, and CICS operation continues with the updated values. Since the updates are not saved across a restart, the subsequent execution of CICS will restart with values recorded before the updates were applied.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Investigate the cause of the error using any dump or other diagnostic messages which have been issued (for example, from VSAM or MVS).

If the problem has been caused by an I/O error, there will be an earlier CICS message from the catalog. Follow the user response for this message.

If the problem has been caused by an invalid data length, there is an exception trace entry in the trace table.

**Module:**
DFHMNSU

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**
Console

**Explanation**
The monitoring control table with the suffix xx is used for this CICS run.

**System action**
Processing continues.

**User response**
None. You can suppress this message with the system initialization parameter, MSGLVL=0.

**Module:**
DFHMNDM

**XMEOUT parameters/Message inserts**

1. **applid**
2. **xx**

**Destination**
Console

**Explanation**
The monitoring domain has attempted to update the catalog record for the Monitoring Domain.

**System action**
An exception entry is made in the trace table, and CICS operation continues with the updated values. Since the updates are not saved across a restart, the subsequent execution of CICS will restart with values recorded before the updates were applied.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Investigate the cause of the error using any dump or other diagnostic messages which have been issued (for example, from VSAM or MVS).

If the problem has been caused by an I/O error, there will be an earlier CICS message from the catalog. Follow the user response for this message.

If the problem has been caused by an invalid data length, there is an exception trace entry in the trace table.

**Module:**
DFHMNSU

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**
Console
Explanation
The CICS monitoring facility is currently active for this run of CICS.

System action
Processing continues.

User response
None. You can suppress this message with the system initialization parameter, MSG_LVL=0.

Module:
DFHMNDM

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHMN0110I applid CICS Monitoring is inactive.

Explanation
The CICS monitoring facility is currently inactive for this run of CICS.

System action
Processing continues.

User response
None. You can suppress this message with the system initialization parameter, MSG_LVL=0.

Module:
DFHMNDM

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHMN0112 I date time applid CICS Monitoring compression status has been changed to {NOCOMPRESS | COMPRESS} by USERID userid.

Explanation
The CICS monitoring facility compression status has been changed by the userid userid as indicated by this informational message.

System action
Processing continues. If the compression status is COMPRESS, the monitoring data records written from now on will be compressed. If the compression status is NOCOMPRESS, the records will not be compressed.

User response
None.

Module:
DFHMNSR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=NOCOMPRESS,
   2=COMPRESS
5. userid

Destination
CSMT

DFHMN0115I applid CICS Server z/OS WLM Health percentage is now n.

Explanation
This message indicates a new health factor has been reported to z/OS MVS workload manager for this server.

CICS utilises the z/OS WLM health API (IWM4HLTH) as a means of controlling the flow of work into a CICS region, especially during the period immediately after CICS initialization completes. It is controlled via the WLMHEALTH SIT parameter and the SET WLMHEALTH SPI which provides a means of providing a warm up period during which time work can be throttled back until such time as the region is fully ready to go. TCP/IP configuration options allow the throttling back of new connections, CPSM workload manager can throttle work being sent to the region and MQ trigger monitors can throttle how many messages they read and hence the number of tasks they initiate.
System action
Processing continues.

User response
None.

Module:
DFHMNDM

XMEOUT parameters/Message inserts
1. applid
2. n

Destination
Console

**DFHMN0116I** applid CICS WIC data generation is active.

Explanation
CICS IBM z/OS Workload Interaction Correlator data generation is active.

System action
Processing continues.

User response
None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Module:
DFHMNDM, DFHMNES

XMEOUT parameters/Message inserts
1. applid

Destination
Console

**DFHMN0117I** applid CICS WIC data generation is inactive.

Explanation
CICS IBM z/OS Workload Interaction Correlator data generation is inactive.

System action
Processing continues.

User response
None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Module:
DFHMNDM, DFHMNES

XMEOUT parameters/Message inserts
1. applid

Destination
Console

**DFHMN0118I** applid CICS WIC registration error - IFAWIC return code X'rsc' and reason code X'rc'.

Explanation
CICS issued an IFAWIC macro to register the region to generate IBM z/OS Workload Interaction Correlator data, which failed. The return code and reason code are given in the message. No data will be generated from this region.

System action
The request is ignored. An exception entry is made in the trace table. CICS operation continues.

User response
Consult the z/OS MVS System Management Facilities (SMF) manual for a detailed explanation of the return codes.

Module:
DFHMNSU

XMEOUT parameters/Message inserts
1. applid
2. X'rsc'
3. X'rc'

Destination
Console

**DFHMN0119I** applid CICS WIC registration successful - IFAWIC return code X'rsc' and reason code X'rc'.

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**Explanation**
CICS issued an IFAWIC macro to register the region to generate IBM z/OS Workload Interaction Correlator data which was successful.

**System action**
The request is successful. CICS operation continues.

**User response**
Consult the z/OS MVS System Management Facilities (SMF) manual for a detailed explanation of the return codes.

**Module:**
DFHMNSU

**XMEOUT parameters/Message inserts**
1. applid
2. X'rsc'
3. X'rc'

**Destination**
Console

DFHMN0101 applid CICS WIC registration detected a pre-z14 hardware level.

**Explanation**
This is an informational message to report that CICS cannot exploit the IBM z/OS Workload Interaction Correlator data collection as it is being started on a pre-z14 hardware level.

**System action**
CICS operation continues.

**User response**
None.

**Module:**
DFHMNSU

**XMEOUT parameters/Message inserts**
1. applid

**Destination**
Console

DFHMN0102 applid CICS WIC registration detected that WIC is not enabled.

**Explanation**
This is an informational message to report that CICS cannot exploit data collection by the IBM z/OS Workload Interaction Correlator as it is not enabled at the z/OS level (SETSMF NOWIC).

**System action**
CICS operation continues.

**User response**
None.

**Module:**
DFHMNSU

**XMEOUT parameters/Message inserts**
1. applid
Destination
Console

DFHMN0201 S Invalid parameter. The equals sign is missing.

Explanation
A SYSIN parameter has been encountered that does not contain an equals sign. Equals signs are mandatory for every keyword supported by the monitoring dictionary utility.

System action
The job step is terminated with a return code of 12.

User response
Correct the SYSIN keyword that does not have an equals sign and resubmit the job. For further guidance on the syntax of DFHMNDUP keywords, see the CICS documentation.

Module:
DFHMNDUP

Destination
SYSPRINT

DFHMN0202 S Invalid parameter. MCT incorrectly specified

Explanation
Following the equals sign of the MCT= keyword there must be a 2-character operand or a delimiter. Neither has been found. The 2-character operand is treated as the suffix for an MCT to load.

System action
The job step is terminated with a return code of 12.

User response
Correct the MCT= keyword with a valid operand or delimiter.

If you do not wish to have a dictionary record constructed from a particular MCT, you can use a default MCT image by specifying a blank or a comma after the equals sign, or by specifying MCT=NO. For further guidance, see the CICS documentation.

Module:
DFHMNDUP

Destination
SYSPRINT

DFHMN0203 S Invalid parameter. SYSID must be four characters or less.

Explanation
A SYSID of greater than 4 characters, or a SYSID keyword without an operand has been specified.

System action
The job step is terminated with a return code of 12.

User response
Specify a valid SYSID of up to 4 characters. For further guidance, see the CICS documentation.

Module:
DFHMNDUP

Destination
SYSPRINT

DFHMN0204 S Invalid parameter. GAPPLID must be eight characters or less.

Explanation
A generic APPLID (GAPPLID) of greater than 8 characters, or a GAPPLID keyword without an operand has been specified.

System action
The job step is terminated with a return code of 12.

User response
Specify a valid GAPPLID of up to 8 characters. For further guidance, see the CICS documentation.

Module:
DFHMNDUP

Destination
SYSPRINT

DFHMN0205 S Invalid parameter. SAPPLID must be eight characters or less.

Explanation
A specific APPLID (SAPPLID) of greater than 8 characters has been specified.
System action
The job step is terminated with a return code of 12.

User response
Specify a valid SAPPLID of up to 8 characters or allow the SAPPLID to default to the GAPPLID by not specifying SAPPLID. For further guidance, see the CICS documentation.

Module: DFHMNDUP

Destination SYSPRINT

DFHMN0206 S Invalid parameter. DATE must be of format yyddd or yyyyddd.

Explanation
The date has been specified incorrectly. There are three possible reasons for this:
• The date specified is not in the correct format of yyddd or yyyyddd
• The date contains nonnumeric characters
• 'ddd' is not in the range 1 through 366.

System action
The job step is terminated with a return code of 12.

User response
Ensure that the date is in the format 'yyddd' or 'yyyyddd' and that the values are valid.
If you want DATE to default to the current date, do not specify this parameter. For further guidance, see the CICS documentation.

Module: DFHMNDUP

Destination SYSPRINT

DFHMN0207 S Invalid parameter. TIME must be of format hhmms.

Explanation
The time has been specified incorrectly. There are three possible reasons for this:
• More than 6 characters have been specified
• The value specified contains nonnumeric characters
• The hours (hh), minutes (mm), or seconds (ss) are outside of the valid range.

System action
The job step is terminated with a return code of 12.

User response
Ensure that the time specified is in the format 'hhmms' and that the values are valid.
If you want TIME to default to the current time, do not specify this parameter. For further guidance, see the CICS documentation.

Module: DFHMNDUP

Destination SYSPRINT

DFHMN0208 S Invalid parameter. Keyword is unknown.

Explanation
A SYSIN parameter has been processed and found to contain an unrecognized keyword.

System action
The job step is terminated with a return code of 12.

User response
Rename the unrecognized keyword. See the CICS documentation for a complete list of supported keywords. Also, ensure that there are no blanks preceding any of the keywords in the SYSIN data set.

Module: DFHMNDUP

Destination SYSPRINT

DFHMN0209 S No SYSIN parameters have been specified.

Explanation
There are no SYSIN parameters specified in the JCL.

System action
The job step is terminated with a return code of 12.
User response
Check the JCL for the existence of SYSIN parameters. If SYSIN does not exist or has no parameters, see the CICS documentation for guidance on coding DFHMNDUP parameters.

Module: DFHMNDUP

Destination SYSPRINT

DFHMN0210 S APPLID Load for MCT has failed.
MCT cannot be found. A dump will be provided.

Explanation
DFHMNDUP attempted to load 'DFHMCTxx' from STEPLIB, where 'xx' is the suffix provided via the MCT= keyword. This MCT was not found in the STEPLIB concatenation.

System action
The job step is abended with a dump.

User response
Ensure that the MCT suffix is correct and that the library that contains it is in the STEPLIB concatenation for the job step.

Module: DFHMNDUP

Destination Console

DFHMN0211 S Getmain storage for control blocks has failed.

Explanation
An MVS GETMAIN for the utilities global storage has failed. There is not enough MVS storage below the line available in the region.

System action
The job step is terminated with a return code of 12.

User response
Increase the REGION= parameter of your JCL and try again. If this fails, consult your MVS system programmer.

Module: DFHMNDUP

Destination SYSPRINT

DFHMN0213 S The MVS TIME macro has failed.
There is a clock error.

Explanation
Because DATE and/or TIME have not been specified, DFHMNDUP has attempted to retrieve the current DATE and/or TIME from MVS using the TIME macro. The TIME macro has reported that the MVS clocks are damaged.

System action
The job step is terminated with a return code of 12.

User response
Inform your MVS system programmer of the failure.

Module: DFHMNDUP

Destination SYSPRINT
Invalid parameter. Missing delimiter detected.

Explanation
DFHMNDUP parameter syntax requires keyword/operand pairs to be separated by a delimiter in the form of a comma or a blank space. A delimiter has been found missing from a keyword/operand.

System action
The job step is terminated with a return code of 12.

User response
If the SYSIN data set has been coded such that there are multiple parameters on one line, then ensure that there is one blank or one comma between each parameter. If the SYSIN data set has been coded such that there is only one parameter on a line, ensure that it is terminated with a blank or a comma. For further guidance on the syntax of DFHMNDUP parameters, see the CICS documentation.

Module: DFHMNDUP

Destination SYSPRINT

Invalid parameter. Mandatory SYSIN parameter(s) missing.

Explanation
The two mandatory parameters are for the generic APPLID (GAPPLID) and the MVS system identifier (SYSID). These two parameters have not been specified and there are no defaults.

System action
The job step is terminated with a return code of 12.

User response
Specify the following:
• the generic APPLID of the CICS system that DFHMNDUP is going to produce a dictionary record for
• the MVS system identifier for the MVS system that produced the monitoring performance class records you are going to process.

For further guidance on the syntax of DFHMNDUP parameters, see the CICS documentation.

Module: DFHMNDUP

Invalid parameter. JOBNAME must be eight characters or less.

Explanation
A JOBNAME has been specified with more than eight characters.

System action
The job step is terminated with a return code of 12.

User response
Specify a valid JOBNAME of up to eight characters. For further guidance, see the CICS documentation.

Module: DFHMNDUP

Invalid parameter. JOBDATE must be of format yyddd or yyyyddd.

Explanation
The JOBDATE parameter has been specified incorrectly. There are three possible reasons for this:
• The date specified is not in the correct format of yyddd or yyyyddd
• Nonnumeric characters have been specified
• The number of days 'ddd' is not in the range 1 through 366.

System action
The job step is terminated with a return code of 12.

User response
Ensure that JOBDATE consists of valid characters in the format 'yyddd' or 'yyyyddd'.

If you want JOBDATE to default to the current date, do not specify this parameter. For further guidance, see the CICS documentation.

Module: DFHMNDUP
Destination
SYSPRINT

DFHMN0218 S Invalid parameter. JOBTIME must be of format hhmmss.

Explanation
The JOBTIME parameter has been specified incorrectly. There are three possible reasons for this:
• More than six characters have been specified
• Nonnumeric characters have been specified
• The hours (hh), minutes (mm), or seconds (ss) are outside of the valid range.

System action
The job step is terminated with a return code of 12.

User response
Ensure that JOBTIME consists of valid characters in the format ‘hhmmss’.
If you want JOBTIME to default to the current time, do not specify this parameter. For further guidance, see the CICS documentation.

Module:
DFHMNDUP

Destination
SYSPRINT

DFHMN0219 S Invalid parameter. USERID must be eight characters or less.

Explanation
A USERID has been specified with more than eight characters.

System action
The job step is terminated with a return code of 12.

User response
Specify a valid USERID of up to eight characters. For further guidance, see the CICS documentation.

Module:
DFHMNDUP

Destination
Console

DFHMN0220 DFHMNDUP CANNOT OPEN THE SYSPRINT FILE.

Explanation
The SYSPRINT file cannot be opened because the SYSPRINT DD statement is missing or incorrectly defined.

System action
The job step is terminated with a return code of 12.

User response
Ensure that the SYSPRINT DD statement has been correctly defined. For further guidance, see the CICS documentation.

Module:
DFHMNDUP

Destination
Console

DFHMN0221 DFHMNDUP CANNOT OPEN THE SYSIN FILE.

Explanation
The SYSIN file cannot be opened because the SYSIN DD statement is missing or incorrectly defined.

System action
The job step is terminated with a return code of 12.

User response
Ensure that the SYSIN DD statement has been correctly defined. For further guidance, see the CICS documentation.

Module:
DFHMNDUP
### DFHMPnnnn messages

**DFHMP0001**  
*applid* An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.

#### Explanation
An abnormal end (abend) or program check occurred in module *modname*. This abend or program check implies that there might be an error in the CICS code. Alternatively, unexpected data was input, or storage was overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, the first three characters in the code are filled with three hyphens. The CICS code is an abend code or a number that refers to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

#### System action
An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you suppressed dumps in the dump table.

CICS continues unless you specify in the dump table that CICS must terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

#### User response
Notify the systems programmer. If CICS is still running, you must decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This code shows, for example, whether the error was a program check, an abend, or a runaway, and might give some guidance to the correct user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue, and terminate CICS at a convenient time to resolve the problem.

If you cannot continue without the full use of module *modname* you must terminate CICS in a controlled shutdown.

---

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHMPAC, DFHMPDD, DFHMPDM, DFHPIB, DFHMRL, DFHMPMO

**XMEOUT parameters/Message inserts**
1. *applid*
2. *aaa/bbbb*
3. *X'offset'*
4. *modname*

#### Destination
Console

**DFHMP0002**  
*applid* A severe error (code *X'code'*) occurred in module *modname*.

#### Explanation
An error occurred in module *modname*. The code *X'code'* is the exception trace point ID that uniquely identifies what the error is and where the error was detected. For more information about CICS exception trace entries, see Troubleshooting and support.

#### System action
An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you suppressed dumps in the dump table.

CICS continues unless you specified in the dump table that CICS must terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

#### User response
Inform the systems programmer. This exception entry indicates a possible error in CICS code. The severity of its impact depends on the importance of the function that was running at the time of the error.

CICS might not terminate.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you
might decide to continue to run and terminate CICS at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module `modname`, you must terminate CICS in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHMPAC, DFHMPDD, DFHMPDM, DFHMPIB, DFHMPRL, DFHMPMO, DFHMPST

**XMEOUT parameters/Message inserts**

1. `applid`
2. `X'code'`
3. `modname`

**Destination**
Console

**DFHMP0100I**  
`applid Managed platform domain initialization started.`

**Explanation**

DFHMP0100I is an informational message which indicates the start of Managed Platform domain initialization.

**System action**

Initialization continues.

**User response**

None. You can suppress this message with the system initialization parameter, MSG_LVL=0.

Module:
DFHMPDM

**XMEOUT parameters/Message inserts**

1. `applid`

**Destination**
Console

**DFHMP1000**  
`date time applid Invalid parameter list passed to MP domain module modname.`

**Explanation**

A call was made to module `modname` of the managed platform (MP) domain during the processing of a request but the parameter list was not valid. This invalid parameter list is probably caused by a storage overwrite or an internal error in the calling component.

**System action**

An exception trace is written by the MP domain, a system dump is taken, and the task in progress is abended. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Use the dump to determine the fault in the calling component.

Module:
DFHMPRL

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `modname`
Destination
CMPO

DFHMP1001 date time applid Policy scope for operation operation for policy policymame in BUNDLE resource bundle successfully installed.

Explanation
Policy scope for operation operation for policy policymame in BUNDLE resource bundle is successfully installed.

System action
Processing continues.

User response
None required.

Module:
DFHMPDD

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. operation
5. policymame
6. bundle

Destination
CMPO

DFHMP1002 date time applid Policy scope for operation operation for policy policymame in BUNDLE resource bundle successfully discarded.

Explanation
Policy scope for operation operation for policy policymame in BUNDLE resource bundle is successfully discarded.

System action
Processing continues.

User response
None required.

Module:
DFHMPDD

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. operation
5. policymame
6. bundle

Destination
CMPO

DFHMP1004 date time applid Policy policymame from BUNDLE resource bundle successfully installed.

Explanation
Policy policymame from BUNDLE resource bundle is successfully installed.

System action
Processing continues.

User response
None required.

Module:
DFHMPDD

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. operation
5. policymame
6. bundle

Destination
CMPO

DFHMP1005 date time applid Policy policymame from BUNDLE resource bundle successfully discarded.

Explanation
Policy policymame from BUNDLE resource bundle is successfully discarded and removed from this system.
**System action**
Processing continues.

**User response**
None required.

**Module:**
DFHMPDD

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. policymame
5. bundle

**Destination**
CMPO

**DFHMP1007**
*date* time applid Policy policymame from BUNDLE resource bundle successfully enabled.

**Explanation**
Policy *policyname* from BUNDLE resource *bundle* is successfully enabled. All of the policies rules are now active and will be applied to all eligible new tasks.

**System action**
Processing continues.

**User response**
None required.

**Module:**
DFHMPDD

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. policymame
5. bundle

**Destination**
CMPO

**DFHMP1008**
*date* time applid Policy policymame from BUNDLE resource bundle successfully disabled.

**Explanation**
Policy *policyname* from BUNDLE resource *bundle* is successfully disabled. All of the policies rules will not be applied to any new tasks but will continue to be applied to active tasks until they terminate.

**System action**
Processing continues.

**User response**
None required.

**Module:**
DFHMPDD

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. policymame
5. bundle

**Destination**
CMPO

**DFHMP2003**
*date* time applid The CICS managed platform domain failed to create the policy *policyname* in BUNDLE resource *bundle* because {the length of policy name is invalid. | the policy name contains invalid characters. | the XML data for the policy could not be parsed.}

**Explanation**
An error has occurred creating policy *policyname* in BUNDLE resource *bundle*. Possible reasons include:

**Length of policy name is invalid**
A policy name is not between 1 and 64 characters long

**Policy name contains invalid characters**
The policy name specified contains invalid characters. Valid characters are: A-Z, a-z, 0-9 and _. A policy name is 1 - 64 characters long. Leading and embedded blank characters are not permitted.
The name must not begin with 0-9, _, or the characters xml (lowercase or uppercase).

**XML data for the policy could not be parsed**

The preceding DFHPInnnn message gives further information about the cause of the problem.

**System action**

An exception entry is made in the trace table.

An exception response is returned to the caller of this domain and the policy create is terminated.

**User response**

Inspect the CICS trace and MP domain message log for any related trace entries or messages. Validate the XML against the MP Policy schema for the CICS system into which the bundle is being installed. Correct the policy XML, discard the bundle, and reinstall it.

**Module:** DFHMPRL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. policyname
5. bundle
6. Value chosen from the following options:

   3=the length of policy name is invalid.,
   1=the policy name contains invalid characters.,
   2=the XML data for the policy could not be parsed.

**Destination**

CMPO

DFHMP2004    date time applid The CICS managed platform domain failed to create policy policyname in BUNDLE resource bundle because the (policy schema level is not supported | USERTAG contains invalid characters | policySchemaVersion is invalid | policySchemaRelease is invalid): error_data.
3=\text{policySchemaVersion is invalid},
4=\text{policySchemaRelease is invalid}

7. \text{error_data}

\textbf{Destination}

CMPO

\begin{tabular}{l}
\textbf{DFHMP2005} & \textit{date time applid} The CICS managed platform domain failed to create policy \textit{policyname} in BUNDLE resource \textit{bundle} because the rule \textit{rulename} \{ is a duplicate of another rule in the same policy. | contains invalid characters in its name. | has an event action but no EP adapter or adapter set name is specified.\}
\end{tabular}

\textbf{Explanation}

An error occurred creating policy \textit{policyname} in bundle \textit{bundle} because of a problem with rule \textit{rulename}. Possible reasons include:

\textbf{Rule is a duplicate of another rule in the same policy}

The policy has another rule of the same name.

\textbf{Rule contains invalid characters}

The acceptable 1-64 characters of a rule name are: A-Z, a-z, 0-9, , _ - @ and #. The name must begin with an alphabetic character.

\textbf{Has an event action but no EP adapter or adapter set name is specified}

The policy rule has an event action, but no EP adapter or adapter set name is specified.

\textbf{System action}

An exception entry is made in the trace table.

An exception response is returned to the caller of this domain and the policy create is terminated.

\textbf{User response}

The probable cause is an error or inconsistency in the policy XML. Inspect the CICS trace and MP domain message log for any related trace entries or messages. Validate the policy against the policy schema for the CICS system into which the bundle is being installed. Correct the policy, discard the bundle and reinstall it.

\textbf{Module:}

DFHMPRL

\textbf{XMEOUT parameters/Message inserts}

1. \textit{date}
2. \textit{time}
3. \textit{applid}
4. \textit{policyname}
5. \textit{bundle}
6. \textit{rulename}

7. Value chosen from the following options:

1= is a duplicate of another rule in the same policy.,
2= contains invalid characters in its name.,
3= has an event action but no EP adapter or adapter set name is specified.

\textbf{Destination}

CMPO

\begin{tabular}{l}
\textbf{DFHMP2006} & \textit{date time applid} The CICS managed platform domain failed to create the policy \textit{policyname} in BUNDLE resource \textit{bundle} because the rule \textit{rulename} \{ has an invalid rule type | has an invalid condition name for rule type | has an invalid item name | has an invalid operator value | has an invalid storage unit | has an invalid count unit | has an invalid time unit | has an invalid abend code | has an invalid EP adapter name | has an invalid EP adapter set name | has a missing XML element | has an invalid rule group name | has an invalid event name\}: \textit{error_data}'.
\end{tabular}

\textbf{Explanation}

An error occurred creating policy \textit{policyname} in BUNDLE resource \textit{bundle} because of a problem with rule \textit{rulename}. Possible reasons include:

\textbf{Rule type is invalid}

The rule type \textit{error_data} is not supported by this release of CICS. This message can occur instead of DFHMP2004 when task and system rules are defined in the same policy and the task rule is not supported by this release of CICS.

\textbf{Condition name is invalid for rule type}

The condition name \textit{error_data} is not valid for the specified rule type.
Item name is invalid for rule type
The item error_data is not supported by this release of CICS for the specified rule type.

Operator is invalid
The operator error_data is invalid. Recognized operators are:
- GT - Greater Than

Storage unit is invalid
The storage unit error_data is invalid. Recognized units are:
- B - bytes
- K - Kb
- M - Mb
- G - Gb

Count unit is invalid
The count unit error_data is invalid. Recognized units are:
- "" - no unit
- K - thousands

Time unit is invalid
The time unit error_data is invalid. Recognized units are:
- S - seconds
- M - milliseconds
- O - microseconds

Abend code is invalid
The action abend code error_data contains invalid characters. Valid characters are: A-Z a-z 0-9 . - @ and #.

Invalid EP adapter name
The EP adapter name error_data contains invalid characters. Valid characters are: A-Z a-z 0-9 . _ - @ and #. Leading and embedded blank characters are not valid. The name must not begin with 0-9, _, or the characters xml (lowercase or uppercase).

Invalid EP adapter set name
The EP adapter set name error_data contains invalid characters. Valid characters are: A-Z a-z 0-9 and _. Leading and embedded blank characters are not valid. The name must not begin with 0-9, _ or the characters xml (lowercase or uppercase).

Missing XML element
All policy rules are made up of a number of mandatory elements. The XML element error_data is missing.

Invalid rule group name
The rule group error_data is invalid. Recognized values are:
- TASK
- SYSTEM

Invalid event name
The name of the event data item error_data contains invalid characters. The acceptable 1 - 32 characters for an event name are: A-Z a-z 0-9 _. The name must not begin with 0-9, _ or the characters xml (lowercase or uppercase).

System action
An exception entry is made in the trace table.
An exception response is returned to the caller of this domain and the policy create is terminated.

User response
The probable cause is an error or inconsistency in the policy XML. Inspect the CICS trace and MP domain message log for any related trace entries or messages. Validate the policy against the policy schema for the CICS system into which the bundle is being installed. Correct the policy, discard the bundle, and reinstall it.

Module:
DFHMPRL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. policymain
5. bundle
6. rulename
7. Value chosen from the following options:
   1= has an invalid rule type,
   2= has an invalid condition name for rule type,
   3= has an invalid item name,
   4= has an invalid operator value,
   5= has an invalid storage unit,
6= has an invalid count unit,
7= has an invalid time unit,
8= has an invalid abend code,
9= has an invalid EP adapter name,
10= has an invalid EP adapter set name,
11= has a missing XML element,
12= has an invalid rule group name,
13= has an invalid event name

8. error_data

Destination
CMPO

DFHMP2007 date time applid The CICS managed platform domain failed to create the policy policyname in BUNDLE resource bundle because there are no rules defined by the policy.

Explanation
An error occurred creating policy policyname in bundle bundle because policy policyname does not define any rules.

System action
An exception entry is made in the trace table.
An exception response is returned to the caller of this domain and the policy create is terminated.

User response
The probable cause is an error or inconsistency in the policy XML. Inspect the CICS trace and MP domain message log for any related trace entries or messages. Validate the policy against the policy schema for the CICS system into which the bundle is being installed. Correct the policy, discard the bundle, and reinstall it.

Module:
DFHMPRL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. policyname
5. bundle

Destination
CMPO

DFHMP2008 date time applid The CICS managed platform domain failed to create the policy resource policyname in BUNDLE resource bundle because one of its rules does not specify a name.

Explanation
An error occurred creating policy policyname in bundle bundle because policy policyname defines a rule with a blank rule name. Rule names must be at least one character long.

System action
An exception entry is made in the trace table.
An exception response is returned to the caller of this domain and the policy create is terminated.

User response
The probable cause is an error or inconsistency in the policy XML. Inspect the CICS trace and MP domain message log for any related trace entries or messages. Validate the policy against the policy schema for the CICS system into which the bundle is being installed. Correct the policy, discard the bundle, and reinstall it.

Module:
DFHMPRL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. policyname
5. bundle

Chapter 2. CICS messages 1159
Explanation
An error occurred creating policy *policyname* in bundle *bundle* because policy *policyname* defines a rule *rulename* with an invalid threshold value *threshold*. The maximum value for a threshold depends on the rule type and item specified, as follows:

- **storage**: The maximum value for each item is as follows:
  - task24 or shared24: 16777215 bytes (16MB -1)
  - task31 or shared31: 2147483647 bytes (2GB -1)
  - task64 or shared64: 4294967295 gigabytes
- **databaserequest**, **filerequest**, **programrequest**, and **storagerequest**: All items have a maximum value of 4294967295 requests.
- **time**: The maximum value for the threshold is 86400 seconds.

System action
An exception entry is made in the trace table.
An exception response is returned to the caller of this domain and the policy create is terminated.

User response
The probable cause is an error or inconsistency in the policy XML. Inspect the CICS trace and MP domain message log for any related trace entries or messages. Validate the policy against the policy schema for the CICS system into which the bundle is being installed. Correct the policy, discard the bundle, and reinstall it.

Module:
DFHMPRL

XMEOUT parameters/Message inserts

1. `date`
2. `time`
3. `applid`
4. `policyname`
5. `bundle`
6. `rulename`
7. `threshold`

Destination
CMPO

**DFHMP2010**

| 1. `date` | 2. `time` | 3. `applid` | The CICS managed platform domain failed to create the policy scope for policy *policyname* defined in *bundle*. |

Explanation
An error has occurred creating a policy scope for policy *policyname* defined in bundle *bundle* because it duplicates an existing policy scope for the operation *operation* which was defined in BUNDLE resource *bundle*. Both BUNDLE resources have a scope of platform(*platformname*), application(*applicationname*), and version(*majorversion*.minorversion.microversion).

System action
An exception entry is made in the trace table.
An exception response is returned to the caller of this domain and the policy scope create is terminated.

User response
Inspect the MP domain message log for any related messages. Correct the policy XML, discard and reinstall the application.

Module:
DFHMPRL

XMEOUT parameters/Message inserts

1. `date`
2. `time`
3. `applid`
4. `policyname`
5. `bundle`
6. `operation`
7. `bundle`
8. `platformname`
9. `applicationname`
10. `majorversion`
11. `minorversion`
12. `microversion`
Destination
CMPO

**DFHMP2011**

*date* *time* *applid* The CICS managed platform domain failed to create the policy scope for policy *policyname* defined in BUNDLE resource *bundle* because policy *policyname* is undefined. The BUNDLE resource was installed with a scope of platform(*platformname*), application(*applicationname*), and version(*majorversion*. *minorversion*. *microversion*).

**Explanation**

An error occurred creating a policy scope for policy *policyname* defined in BUNDLE *bundle* because of one of the following conditions:

- The referenced policy *policyname* is not defined to CICS
- A policy *policyname* is defined to CICS but has a different scope

**System action**

An exception entry is made in the trace table.

An exception response is returned to the caller of this domain and the policy scope create is terminated.

**User response**

Inspect the MP domain message log for any related messages. Correct the policy XML, discard and reinstall the application.

**Module:**
DFHMPRL

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *policyname*
5. *bundle*
6. *policyname*
7. *platformname*
8. *applicationname*
9. *majorversion*
10. *minorversion*


11. *microversion*

Destination
CMPO

**DFHMP2012**

*date* *time* *applid* The CICS managed platform domain failed to create the policy scope for policy *policyname* defined in BUNDLE resource *bundle* because it duplicates an existing policy with the same name and scope defined in BUNDLE resource *bundle*. Both BUNDLE resources have a scope of platform(*platformname*), application *applicationname*, and version(*majorversion*. *minorversion*. *microversion*).

**Explanation**

An error has occurred creating a policy *policyname* defined in BUNDLE resource *bundle* because it duplicates an existing policy of the same name in the BUNDLE resource *bundle*. Both of the bundles were installed with a scope of platform(*platformname*), application *applicationname*, and application version *majorversion*. *minorversion*. *microversion*.

**System action**

An exception entry is made in the trace table.

An exception response is returned to the caller of this domain and the policy create is terminated.

**User response**

Inspect the MP domain message log for any related messages. Correct the policy XML, discard and reinstall the application.

**Module:**
DFHMPRL

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *policyname*
5. *bundle*
6. *bundle*
7. *platformname*
8. *applicationname*
9. *majorversion*
<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>AppId</th>
<th>Operation</th>
<th>Bundle</th>
<th>Policyname</th>
<th>Platform</th>
<th>Application</th>
<th>Version</th>
<th>Explanation</th>
<th>System Action</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>An error occurred creating a policy scope for operation defined in BUNDLE bundle because the policy name is invalid. The BUNDLE resource was installed with a scope of platform, application, and version.</td>
<td>An exception entry is made in the trace table. An exception response is returned to the caller of this domain and the policy scope create is terminated.</td>
<td>Inspect the MP domain message log for any related messages. Correct the policy XML, discard its BUNDLE resource, and reinstall it.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Module: DFHMPRL</td>
</tr>
<tr>
<td>XMEOUT parameters/Message inserts</td>
<td>date</td>
<td>time</td>
<td>applid</td>
<td>operation</td>
<td>bundle</td>
<td>policyname</td>
<td>platformname</td>
<td>applicationname</td>
<td>majorversion</td>
<td>minorversion</td>
<td></td>
</tr>
</tbody>
</table>
 Bundles resource bundle because policy policym name is undefined.

Explanation

An error occurred creating a policy scope for policy policym name defined in BUNDLE bundle because of one of the following conditions:

- The referenced policy policym name is not defined to CICS
- A policy policym name is defined to CICS but has a different scope

System action

An exception entry is made in the trace table.

An exception response is returned to the caller of this domain and the policy create is terminated.

User response

Inspect the MP domain message log for any related messages. Correct the policy XML, discard its BUNDLE resource, and reinstall it.

Module:

DFHMPRl

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. policym name
5. bundle
6. policym name

Destination

CMPO

DFHMP2017 date time applid The CICS managed platform domain failed to create the policy scope for operation operation defined in BUNDLE resource bundle1 because it duplicates an existing region scoped policy with the same name defined in BUNDLE resource bundle2.

Explanation

An error has occurred creating a policy policym name defined in the standalone BUNDLE resource bundle1 because it duplicates an existing region scoped policy of the same name in the BUNDLE resource bundle2.

System action

An exception entry is made in the trace table.

An exception response is returned to the caller of this domain and the policy create is terminated.

User response

Inspect the MP domain message log for any related messages. Correct the policy XML, discard its BUNDLE resource, and reinstall it.

Module:

DFHMPRl

Chapter 2. CICS messages 1163
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. policyname
5. bundle1
6. bundle2

**Destination**

CMPO

**DFHMP2018**

date time applid The CICS managed platform domain failed to create the policy policyname in BUNDLE resource bundle because the rule rulename {has an invalid name for static data item | has an invalid value for static data item | defines multiple static data items with name} staticname.

**Explanation**

An error occurred creating policy policyname in BUNDLE resource bundle because of a problem with rule rulename. Possible reasons include:

1. **Static data item name is invalid**
   
   The name of the static data item staticname contains invalid characters. The acceptable 1 - 32 characters for a static item name are: A-Z a-z 0-9 and _. Leading and embedded blank characters are not permitted. The name must not begin with 0-9, _ or the characters xml (lowercase or uppercase).

2. **Static data item value is invalid**
   
   The value of the static data item staticname contains invalid characters. The acceptable 1 - 255 characters for the value of a static data item are: A-Z a-z 0-9 ` ¬ ¦ ! " £ $ % ^ & * ( ) _ + - = { } : @ ~ ; ' # < > ? , / |. Embedded blank characters are also permitted.

3. **Duplicate static name**
   
   The static data item staticname has same name as another static data item defined for the same rule.

4. **System action**
   
   An exception entry is made in the trace table.
   
   An exception response is returned to the caller of this domain and the policy create is terminated.

**User response**

The probable cause is an error or inconsistency in the policy XML. Inspect the CICS trace and MP domain message log for any related trace entries or messages. Validate the policy against the policy schema for the CICS system into which the bundle is being installed. Correct the policy, discard the bundle, and reinstall it.

**Module:**

DFHMPRL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. policyname
5. bundle
6. rulename
7. Value chosen from the following options:
   
   1=has an invalid name for static data item,
   
   2=has an invalid value for static data item,
   
   3=defines multiple static data items with name

8. staticname

**Destination**

CMPO

**DFHMP2020**

date time applid The CICS managed platform domain failed to create the policy policyname in BUNDLE resource bundle because the system policy rule rulename specifies a predicate predicate which is not supported for a rule type of ruletype.

**Explanation**

An error occurred while installing policy policyname in BUNDLE resource bundle. The system policy rule rulename specifies a predicate predicate which is not supported for a rule type of ruletype.

**System action**

An exception entry is made in the trace table.

An exception response is returned to the caller of this domain and the policy create is terminated.
User response
The probable cause is an error or inconsistency in the policy XML. Inspect the CICS trace and MP domain message log for any related trace entries or messages. Validate the policy against the policy schema for the CICS system into which the bundle is being installed. Correct the policy, discard the bundle, and reinstall it.

Module:
DFHMPRL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. policyname
5. bundle
6. rulename
7. predicate
8. ruletype

Destination
CMPO

DFHMP2021 date time applid The CICS managed platform domain failed to create the system policy policyname in BUNDLE resource bundle because the predicate predicate for rule rulename specifies an invalid {filter operator | numeric filter value | status value}: 'error_data'.

Explanation
An error occurred creating policy policyname in BUNDLE resource bundle because of a problem with the predicate for predicate which has been specified for system policy rule rulename. Possible reasons include:

Invalid operator
The operator specified is not valid for the specified rule type.

Invalid numeric value
The numeric value specified for the predicate is invalid.

Invalid status value
The status value specified for the predicate is not valid for the specified rule type.

System action
An exception entry is made in the trace table.
An exception response is returned to the caller of this domain and the policy create is terminated.

User response
The probable cause is an error or inconsistency in the policy XML. Inspect the CICS trace and MP domain message log for any related trace entries or messages. Validate the policy against the policy schema for the CICS system into which the bundle is being installed. Correct the policy, discard the bundle, and reinstall it.

Module:
DFHMPRL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. policyname
5. bundle
6. predicate
7. rulename
8. ruletype

Destination
CMPO

DFHMP2022 date time applid The CICS managed platform domain failed to create the policy policyname in BUNDLE resource bundle with a scope of platform platformname, application applicationname, and version majorversion.minorversion.microversion because the policy defines a system policy rule rulename.

Explanation
The policy policyname in BUNDLE resource bundle which has been installed with a scope of platform platformname, application applicationname, and application version
majorversion.minorversion.microversion contains a system policy rule rulename. Policies which define system policy rules can only be installed into either a standalone CICS region or a CICS platform; they cannot be defined with application scope.

**System action**
An exception entry is made in the trace table.
An exception response is returned to the caller of this domain and the policy create is terminated.

**User response**
The probable cause is that a system policy rule has been defined in a policy which is referenced by a CICS application bundle. Remove the system policy rule from the named policy, discard and reinstall the application.

**Module:**
DFHMPRL

---

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. policymame
5. bundle
6. platformname
7. applicationname
8. majorversion
9. minorversion
10. microversion
11. rulename

---

**Destination**
CMPO

**DFHMP3001**
date time applid Task trannum(tranid) exceeded a policy threshold. BundleId=bundleid, PolicyName=policyname, RuleName=rulename, RuleType=ruletype, Category=category, Threshold=threshold (Value=value, Unit=unit), CurrentCount=currentcount.

**Explanation**
A threshold specified on rule rulename defined by policy policymame defined in bundle bundleid is exceeded. The rule of type ruletype and category category specifies a threshold value of threshold. The threshold was specified in the policy with a value of value and unit unit. The current value of the count for this rule is currentcount.

**System action**
Processing continues.
User response
Use the information in the message to determine whether the identified task is using excessive CICS resources, and take the appropriate action, for example, purge the task. If this message occurs too frequently consider increasing the threshold in the named policy.

Module:
DFHMPAC

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. trannum
5. tranid
6. bundleid
7. policymame
8. rulename
9. ruletype
10. category
11. threshold
12. value
13. unit
14. currentcount

Destination
CMPO

DFHMP3002  date time applid Task trannum(tranid) exceeded a policy threshold and is abended with abend code abcode. BundleId=bundleid, PolicyName=policyname, RuleName=rulename, RuleType=ruletype, Category=category, Threshold=threshold (Value=value, Unit=unit), CurrentCount=currentcount.

Explanation
A threshold specified on rule rulename defined by policy policymame defined in bundle bundleid was exceeded and the task tranum has been abended with an abend code of abcode. The rule of type ruletype and category category specifies a threshold value of threshold. The threshold was specified in the policy with a value of value and unit unit. The current value of the count for this rule is currentcount.

System action
The task is abended with abend code abcode.

User response
Use the information in the message to determine whether the identified task is using excessive CICS resources. If this message occurs too frequently consider increasing the threshold in the named policy.

Module:
DFHMPAC

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. trannum
5. tranid
6. bundleid
7. policymame
8. rulename
9. ruletype
10. category
11. threshold
12. value
13. unit
14. currentcount

Destination
CMPO

DFHMP3003  date time applid Task trannum(tranid) Event emission failed because the EPADAPTER resource adaptername { is unavailable | specifies transactional events which are not supported | specifies synchronous event emission which is not supported}. BundleId=bundleid, BundleName=bundlename, PolicyName=policyname, RuleName=rulename.
Explanation
Event emission for policy policyname in rule rulename is not possible. Possible reasons include:

EP adapter is unavailable
The specified EP adapter is disabled or not installed.

Transactional events which are not supported
The EP adapter specifies transactional events, which are not supported.

Synchronous event emission is not supported
The EP adapter specifies synchronous event emission, which is not supported.

System action
Processing continues, but policy events for this rule are discarded.

User response
Install and enable the EPADAPTER resource epadapter, remove the transactional option from the definition of the EP adapter, or specify the asynchronous events.

Module:
DFHMPAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. trannum
5. tranid
6. adaptername
7. Value chosen from the following options:
   1= is unavailable,
   2= specifies transactional events which are not supported,
   3= specifies synchronous event emission which is not supported
8. bundleid
9. bundlename
10. policyname
11. rulename

Destination
CMPO

DFHMP3004 date time applid Task trannum(tranid) Event emission failed because the EPADAPTERSET resource adaptersetname { is unavailable | has one or more adapters not available}. BundleId=bundleid, BundleName=bundlename, PolicyName=policyname, RuleName=rulename.

Explanation
Event emission for policy policyname in rule rulename is not possible. Possible reasons include:

EP adapter set is unavailable
The specified EP adapter set specified is disabled or not installed.

One or more EP adapters are unavailable
One or more EP adapters in the EP adapter set are unavailable. CICS is unable to report the names of the unavailable EP adapters in DFHMP3005 message because of an internal failure.

System action
Processing continues, but all or some policy events for this rule are discarded.

User response
Install and enable the EPADAPTERSET resource epadapterset if it is unavailable. For more information about the unavailable EP adapter names, refer to CICS trace.

Module:
DFHMPAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. trannum
5. tranid
6. adaptersetname
7. Value chosen from the following options:
   1= is unavailable,
has one or more adapters not available

bundleid
bundlename
policyname
rulename

destination
CMPO

\textbf{DFHMP3005} \textit{date time applid} Task
\textit{trannum(tranid)} Event emission
failed because the EPADAPTER
resource \textit{adaptername} in the
\textit{EPADAPTERSET adaptersetname}
\{ is unavailable \ | specifies
transactional events which are not
supported \ | specifies synchronous
event emission which is not
supported\}. BundleId=\textit{bundleid},
BundleName=\textit{bundlename},
PolicyName=\textit{policyname},
RuleName=\textit{rulename}.

\textbf{Explanation}

Event emission for policy \textit{policyname} in rule \textit{rulename}
is not possible. Possible reasons include:

\textbf{EP adapter is unavailable}

The EP adapter is disabled or not installed.

\textbf{Transactional events which are not supported}

The EP adapter specifies transactional events,
which are not supported.

\textbf{Synchronous event emission is not supported}

The EP adapter specifies synchronous event
emission, which is not supported.

\textbf{System action}

Processing continues, but policy events for this rule
are discarded.

\textbf{User response}

Install and enable the EPADAPTER resource
\textit{epadapter}, remove the transactional option from the
definition of the EP adapter, or specify asynchronous
events.

\textbf{Module:}

DFHMPAC

\textbf{XMEOUT parameters/Message inserts}

\begin{itemize}
  \item date
  \item time
  \item applid
  \item trannum
  \item tranid
  \item adaptername
  \item adaptersetname
  \item Value chosen from the following options:
    \begin{itemize}
      \item 1= is unavailable,
      \item 2= specifies transactional events which are not
        supported,
      \item 3= specifies synchronous event emission which is
        not supported
    \end{itemize}
  \item bundleid
  \item bundlename
  \item policyname
  \item rulename
\end{itemize}

\textbf{Destination}

CMPO

\textbf{DFHMP3006} \textit{date time applid} Event emission
has been successful after previous
failure(s) to emit an event through
\{EPADAPTER | EPADAPTERSET\}
name. BundleId=\textit{bundleid},
BundleName=\textit{bundlename},
PolicyName=\textit{policyname},
RuleName=\textit{rulename}.

\textbf{Explanation}

The EP adapter resource has been updated and the
event for rule \textit{rulename} in policy \textit{policyname} has been
successfully emitted. An error previously reported by
one or more of the following messages has been
resolved: DFHMP3003, DFHMP3004, DFHMP3005.

\textbf{System action}

Processing continues.

\textbf{User response}

None.

\textbf{Module:}

DFHMPAC
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. Value chosen from the following options:
   - 1=EPADAPTER,
   - 2=EPADAPTERSET
5. name
6. bundleid
7. bundlename
8. policyname
9. rulename

**Destination**

CMPO

**DFHMP3007**

| date time applid | Task trannum(tranid) for operation init_operation of application init_application, version init_applversion on platform init_platform has exceeded a policy threshold. BundleId=bundleid, PolicyName=policyname, RuleName=rulename, RuleType=ruletype, Category=category, Threshold=threshold (Value=value, Unit=unit), CurrentCount=currentcount. |

**Explanation**

The threshold specified for rule rulename of policy policyname defined in bundle bundleid and deployed with application init_application, version init_applversion on platform init_platform has been exceeded by task tranum. The rule of type ruletype and category category specifies a threshold value of threshold. The threshold was specified in the policy with a value of value and unit unit. The current value of the count for this rule is currentcount.

**System action**

Processing continues.

**User response**

Use the information in the message to determine whether the identified task is using excessive CICS resources, and take the appropriate action, for example, purge the task. If this message occurs too frequently consider increasing the threshold in the named policy.

**Module:**

DFHMPAC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. trannum
5. tranid
6. init_operation
7. init_application
8. init_applversion
9. init_platform
10. bundleid
11. policyname
12. rulename
13. ruletype
14. category
15. threshold
16. value
17. unit
18. currentcount

**Destination**

CMPO

**DFHMP3008**

| date time applid | Task trannum(tranid) for operation init_operation of application init_application, version init_applversion on platform init_platform has exceeded a policy threshold and is abended with abend code abcode. BundleId=bundleid, PolicyName=policyname, RuleName=rulename, RuleType=ruletype, Category=category, Threshold=threshold (Value=value, Unit=unit), CurrentCount=currentcount. |

**Explanation**

The threshold specified for rule rulename of policy policyname defined in bundle bundleid and deployed with application init_application, version init_applversion on platform init_platform has been exceeded by task tranum. The rule of type ruletype and category category specifies a threshold value of threshold. The threshold was specified in the policy with a value of value and unit unit. The current value of the count for this rule is currentcount.

**System action**

Processing continues.

**User response**

Use the information in the message to determine whether the identified task is using excessive CICS resources, and take the appropriate action, for example, purge the task. If this message occurs too frequently consider increasing the threshold in the named policy.
Explanation

The threshold specified for rule rulename of policy policymame defined in bundle bundleid and deployed with application init_application, version init_applversion on platform init_platform has been exceeded and the task tranum abended with an abend code of abcode. The rule of type ruletype and category category specifies a threshold value of threshold. The threshold was specified in the policy with a value of value and unit unit. The current value of the count for this rule is currentcount.

System action

The task is abended with abend code abcode.

User response

Use the information in the message to determine whether the identified task is using excessive CICS resources. If this message occurs too frequently consider increasing the threshold in the named policy.

Module:
DFHMPAC

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. trannum
5. tranid
6. init_operation
7. init_application
8. init_applversion
9. init_platform
10. abcode
11. bundleid
12. policymame
13. rulename
14. ruletype
15. category
16. threshold
17. value
18. unit
19. currentcount

Destination
CMPO

DFHMP3009 date time applid Task tranum (tranid) has triggered a ruletype system rule rulename (ruledetails) defined by policy policymame in bundle bundleid.

Explanation

A transaction tranid has triggered the evaluation of ruletype system rules and the rule rulename defined by policy policymame in bundle bundleid has evaluated true.

The insert ruledetails includes rule specific information which is composed of between one and three name-value pairs and has the following format {resourcetype=resourcename,} {FROM=fromstate, TO=tostate}.

This message is produced when a system rule requests that a message is issued when:

- a resource state change occurs, e.g. when a FILE is opened
- a threshold is crossed, e.g. when the active tasks in a TRANCLASS exceed 90% of MAXACTIVE value
- an unusual system state or action is detected, e.g. when a MESSAGE is issued

The transaction tranid named in the message is the name of the transaction that triggered evaluation of the ruletype system rule, which in some cases may be CICS system task. For example, when the initiation of a transaction at a terminal triggers a taskThreshold rule the transaction named will be the CSTP system task.

The trannum and tranid inserts in this message will be set to ???? if the system rule rule was triggered by code not running under a CICS task.

System action

Processing continues.

User response

Use the information in the message to respond to the identified change in the state of your system.

Module:
DFHMPAC

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. trannum
5. tranid
Destination
CMPO

DFHMP3010 date time applid Task trannum (tranid) has triggered a ruletype system rule rulename (ruledetails) defined by policy policyname in bundle bundleid installed on platform platformname.

Explanation
A transaction tranid has triggered the evaluation of ruletype system rules and the rule rulename defined by policy policyname in bundle bundleid which was installed on platform platformname has evaluated true.

The insert ruledetails includes rule specific information which is composed of between one and three name-value pairs and has the following format {resourcetype=resourcename,} {FROM=fromstate, TO=tostate}.

This message is produced when a system rule requests that a message is issued when:
- a resource state change occurs, e.g. when a FILE is opened
- a threshold is crossed, e.g. when the active tasks in a TRANCLASS exceed 90% of MAXACTIVE value
- an unusual system state or action is detected, e.g. when a MESSAGE is issued

The transaction tranid named in the message is the name of the transaction that triggered evaluation of the ruletype system rule, which in some cases may be CICS system task. For example, when the initiation of a transaction at a terminal triggers a taskThreshold rule the transaction named will be the CSTP system task.

The trannum and tranid inserts in this message will be set to ???? if the system rule rule was triggered by code not running under a CICS task.

System action
Processing continues.

User response
Use the information in the message to respond to the identified change in the state of your system.

Module:
DFHMPAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. trannum
5. tranid
6. ruletype
7. rulename
8. ruledetails
9. policyname
10. bundleid
11. platformname

Destination
CMPO

DFHMP3011 date time applid Event processing status is STOPPED. Policy events will be lost.

Explanation
Event processing has been stopped, e.g CEMT SET EVENTPROCESS STOPPED, and therefore all policy events will be discarded until event processing is re-started.

System action
Processing continues, but all policy events are discarded. Message DFHMP3012 will be issued when event processing is re-started.

User response
Re-start event processing, e.g. CEMT SET EVENTPROCESS STARTED, to reenable capture and emission of policy events.

Module:
DFHMPAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CMPO

DFHMP3012  

Event processing status is STARTED. Policy events will now be emitted.

Explanation
Event processing has been re-started so emission of policy events will recommence.

System action
Processing continues.

User response
Use the information in the message to respond to the identified change in the state of your system.

Module:
DFHMPAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CMPO

DFHMP3013  

Task trannum (tranid) has triggered a ruletype system rule rulename defined by policy policymame in bundle bundleid because the specified threshold of threshold has been exceeded.

Explanation
A transaction tranid has triggered the evaluation of ruletype system rules and the rule rulename defined by policy policymame in bundle bundleid has evaluated true because the threshold threshold specified by the rule has been exceeded. This message is only produced when a system rule requests that a message is issued and the rule has not evaluated true in the last 30 seconds. If the rule has evaluated true in the last 30 seconds the message is suppressed.

The transactiontranid named in the message is the name of the transaction that triggered evaluation of the ruletype system rule.

System action
Processing continues.

User response
None.

Module:
DFHMPAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. trannum
5. tranid
6. ruletype
7. rulename
8. policymame
9. bundleid
10. threshold

Destination
CMPO

DFHMP3014  

Task trannum (tranid) has triggered a ruletype system rule rulename defined by policy policymame in bundle bundleid installed on platform platformname because the specified threshold of threshold has been exceeded.

Explanation
A transaction tranid has triggered the evaluation of ruletype system rules and the rule rulename defined by policy policymame in bundle bundleid which was installed on platform platformname has evaluated true because the threshold threshold specified by the rule has been exceeded. This message is only produced when a system rule requests that a message is issued and the rule has not evaluated true in the last 30 seconds. If the rule has evaluated true in the last 30 seconds the message is suppressed.
The transaction `tranid` named in the message is the name of the transaction that triggered evaluation of the `ruletype` system rule.

The `trannum` and `tranid` inserts in this message will be set to `????` if the system rule rule was triggered by code not running under a CICS task.

**System action**
Processing continues.

**User response**

Use the information in the message to respond to the identified change in the state of your system.

**Module:**
DFHMPAC

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `trannum`
5. `tranid`
6. `ruletype`
7. `rulename`
8. `policyname`
9. `bundleid`
10. `platformname`
11. `threshold`

**Destination**
CMPO

**Explanation**

A transaction `tranid` has triggered the evaluation of `ruletype` system rules and the rule `rulename` defined by policy `policyname` in bundle `bundleid` has evaluated true and the WLM health open status has been set to one of:

**OPEN**

Instructs CICS to start increasing the z/OS WLM health value.

**CLOSED**

Instructs CICS to start decreasing the z/OS WLM health value.

**IMMCLOSE**

Instructs CICS to immediately set the z/OS WLM health value to 0.

The insert `ruledetails` includes rule specific information which is composed of between one and three name-value pairs and has the following format `{resourcetype=resourcename,} {FROM=fromstate, TO=tostate}`.

This message is produced when a system rule requests the WLM health action when:

- a resource state change occurs, e.g. when a FILE is opened
- a threshold is crossed, e.g. when the active tasks in a TRANCLASS exceed 90% of MAXACTIVE value
- an unusual system state or action is detected, e.g. when a MESSAGE is issued

The transaction `tranid` named in the message is the name of the transaction that triggered evaluation of the `ruletype` system rule, which in some cases may be CICS system task. For example, when the initiation of a transaction at a terminal triggers a taskThreshold rule the transaction named will be the CSTP system task.

The `trannum` and `tranid` inserts in this message will be set to `????` if the system rule rule was triggered by code not running under a CICS task.

**System action**
Processing continues.

**User response**

Use the information in the message to respond to the identified change in the state of your system.

**Module:**
DFHMPAC

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `trannum`
5. `tranid`
A transaction \( \text{tranid} \) has triggered the evaluation of \( \text{ruletype} \) system rules and the rule \( \text{rulename} \) defined by policy \( \text{policyname} \) in bundle \( \text{bundleid} \) which was installed on platform \( \text{platformname} \) has evaluated true and the WLM health open status has been set to one of:

- **OPEN**
  - Instructs CICS to start increasing the z/OS WLM health value.

- **CLOSED**
  - Instructs CICS to start decreasing the z/OS WLM health value.

- **IMMCLOSE**
  - Instructs CICS to immediately set the z/OS WLM health value to 0.

The insert \( \text{ruledetails} \) includes rule specific information which is composed of between one and three name-value pairs and has the following format \( \{\text{resourcetype}=\text{resourcename},\text{FROM}=\text{fromstate},\text{TO}=\text{tostate}\} \).

This message is produced when a system rule requests the WLM health action when:

- a resource state change occurs, e.g. when a FILE is opened

- a threshold is crossed, e.g. when the active tasks in a TRANCLASS exceed 90% of MAXACTIVE value

- an unusual system state or action is detected, e.g. when a MESSAGE is issued

The transaction \( \text{tranid} \) named in the message is the name of the transaction that triggered evaluation of the \( \text{ruletype} \) system rule, which in some cases may be CICS system task. For example, when the initiation of a transaction at a terminal triggers a taskThreshold rule the transaction named will be the CSTP system task.

The \( \text{trannum} \) and \( \text{tranid} \) inserts in this message will be set to ???? if the system rule rule was triggered by code not running under a CICS task.

### System action

Processing continues.

### User response

Use the information in the message to respond to the identified change in the state of your system.

### Module:

DFHMPAC

### XMEOUT parameters/Message inserts

- **date**
- **time**
- **applid**
- **trannum**
- **tranid**
- **ruletype**
- **rulename**
- **ruledetails**
- **policyname**
- **bundleid**
- **platformname**

12. Value chosen from the following options:

- **OPEN**
- **CLOSED**
- **IMMCLOSE**

### Destination

CMPO
defined by policy policyname in bundle bundleid but has failed to set WLM health open status to \{OPEN | CLOSED | IMMCLOSE\} because WLMHEALTH=OFF.

Explanation
A transaction tranid has triggered the evaluation of ruletype system rules and the rule rulename defined by policy policyname in bundle bundleid has evaluated true but an attempt to set the WLM health open status has failed because the system initialisation parameter WLMHEALTH=OFF has been specified.

The insert ruledetails includes rule specific information which is composed of between one and three name-value pairs and has the following format \{resourcetype=resourcename,\} \{FROM=fromstate, TO=tostate\}.

This message is produced when a system rule requests the WLM health action when:

- a resource state change occurs, e.g. when a FILE is opened
- a threshold is crossed, e.g. when the active tasks in a TRANCLASS exceed 90% of MAXACTIVE value
- an unusual system state or action is detected, e.g. when a MESSAGE is issued

The transaction tranid named in the message is the name of the transaction that triggered evaluation of the ruletype system rule, which in some cases may be CICS system task. For example, when the initiation of a transaction at a terminal triggers a taskThreshold rule the transaction named will be the CSTP system task.

The trannum and tranid inserts in this message will be set to ??? if the system rule rule was triggered by code not running under a CICS task.

System action
Processing continues.

User response
None required.

Module:
DFHMPAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. trannum

Destination
CMPO

DFHMP3018 date time applid Task trannum (tranid) has triggered a ruletype system rule rulename (ruledetails) defined by policy policyname in bundle bundleid installed on platform platformname but has failed to set WLM health open status to \{OPEN | CLOSED | IMMCLOSE\} because WLMHEALTH=OFF.

Explanation
A transaction tranid has triggered the evaluation of ruletype system rules and the rule rulename defined by policy policyname in bundle bundleid which was installed on platform platformname has evaluated true but an attempt to set the WLM health open status has failed because the system initialisation parameter WLMHEALTH=OFF has been specified.

The insert ruledetails includes rule specific information which is composed of between one and three name-value pairs and has the following format \{resourcetype=resourcename,\} \{FROM=fromstate, TO=tostate\}.

This message is produced when a system rule requests the WLM health action when:

- a resource state change occurs, e.g. when a FILE is opened
- a threshold is crossed, e.g. when the active tasks in a TRANCLASS exceed 90% of MAXACTIVE value
- an unusual system state or action is detected, e.g. when a MESSAGE is issued

The transaction tranid named in the message is the name of the transaction that triggered evaluation of the ruletype system rule, which in some cases may be
CICS system task. For example, when the initiation of a transaction at a terminal triggers a taskThreshold rule the transaction named will be the CSTP system task.

The trannum and tranid inserts in this message will be set to ???? if the system rule rule was triggered by code not running under a CICS task.

**System action**

Processing continues.

**User response**

None required.

**Module:**
DFHMPAC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. trannum
5. tranid
6. ruletype
7. rulename
8. ruledetails
9. policyname
10. bundleid
11. platformname
12. Value chosen from the following options:
   1. OPEN,
   2. CLOSED,
   3. IMMCLOSE

**Destination**
CMPO

**DFHMQnmmm messages**

**DFHMQ0100 E**

*date time applid* Cannot retrieve data from a START command.
EIBFN=X'eibfn' EIBRESP=eibresp EIBRESP2=eibresp2.

**Explanation**

CKTI has attempted to retrieve data from a CICS START command, but the retrieve is unsuccessful.

**System action**

CKTI ends.

**User response**

The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values. Use the data contained in these fields to resolve the problem, and retry.

**Module:**
DFHMQTSK

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. X'eibfn'
5. eibresp
6. eibresp2

**Destination**
CMQM, Console and Terminal End User

**DFHMQ0101 E**

*date time applid* Cannot open the initiation queue. MQCC= mqcc
MQRC= mqrc.

**Explanation**

CKTI has attempted to open an initiation queue, but the attempt is unsuccessful (for example, because the queue is not defined). mqcc and mqrc give the reason for the problem.

**System action**

CKTI ends.

**User response**

Refer to the IBM MQ messages manual for information about mqcc and mqrc, and use CKQC to restart CKTI.

**Module:**
DFHMQTSK

**XMEOUT parameters/Message inserts**

1. date
2. time
CMQM, Console and Terminal End User

**DFHMQ0102 E**

**Explanation**

A trigger message has been retrieved, but the CICS transaction **tran-id** cannot be started. The EIB is **EIBFN=X'eibfn'** and the EIBRESP is **eibresp**. The EIBRESP2 is **eibresp2**.

**System action**

The trigger message is sent to the dead-letter queue. CKTI processes the next message.

**User response**

Check the header of the message on the dead-letter queue. This will tell you where the trigger message came from. Correct the process that created the trigger message.

**Module:** DFHMQTSK

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **tran-id**
5. **X'eibfn'**
6. **eibresp**
7. **eibresp2**

---

CMQM, Console and Terminal End User

**DFHMQ0104 E**

**Explanation**

A trigger message has been retrieved, but the version identifier in MQTM is not version 1 and so is not compatible with this version of DFHMQTSK.

**System action**

The trigger message is sent to the dead-letter queue. CKTI processes the next message.

**User response**

Check the header of the message on the dead-letter queue. This will tell you where the trigger message came from. Correct the process that created the trigger message.

**Module:** DFHMQTSK

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **version-id**

---

CMQM, Console and Terminal End User

**DFHMQ0103 E**

**Explanation**

A trigger message has been retrieved, but the structure identifier of the message is not **MQTM_STRUC_ID** and so is not compatible with this version of DFHMQTSK.

**System action**

The trigger message is sent to the dead-letter queue. CKTI processes the next message.

**User response**

Check the header of the message on the dead-letter queue. This will tell you where the trigger message came from. Correct the process that created the trigger message.

**Module:** DFHMQTSK

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **struc-id**
XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. version-id

Destination
CMQM, Console and Terminal End User

DFHMQ0105 E date time applid CKTI cannot start
a process type of process-type.

Explanation
A trigger message has been retrieved, but the process
type in MQTM is not CICS and so cannot be processed
by this version of DFHMQTSK.

System action
The trigger message is sent to the dead-letter queue. CKTI processes the next message.

User response
Check the header of the message on the dead-letter
queue. This will tell you where the trigger message
came from. Correct the process that created the
trigger message.

Module:
DFHMQTSK

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. process-type

Destination
CMQM, Console and Terminal End User

DFHMQ0106D date time applid MQGET failure.
CKTI will end. MQCC=mcqcc
MQRC=mcqrc.

Explanation
An attempt to issue an MQGET call on the initiation
queue has been unsuccessful.

System action
CKTI ends.

User response
Refer to the IBM MQ messages manual for information
about mcqcc and mcqrc, and use CKQC to restart CKTI.

Module:
DFHMQTSK

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mcqcc
5. mcqrc

Destination
CMQM, Console and Terminal End User

DFHMQ0107 I date time applid A request to end
CKTI has been received. CKTI ended.

Explanation
A request to end CKTI has been sent from the CICS-
MQ adapter. This is a normal completion of CKTI.

System action
CKTI ends.

User response
None.

Module:
DFHMQTSK

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CMQM, Console and Terminal End User

DFHMQ0108D date time applid Unexpected
invocation. CKTI terminated.

Explanation
An attempt has been made to start CKTI, but not from
CKCN or CKSQ. This is not allowed.
**System action**
CKTI ends.

**User response**
Start CKTI from either CKCN or CKSQ.

**Module:**
DFHMQTSK

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*

**Destination**
CMQM, Console and Terminal End User

**Explanation**
This message is issued to indicate the queue in error if an operation on a queue (for example, an MQOPEN) is unsuccessful. The accompanying messages indicate the cause of the problem.

**System action**
Processing continues.

**User response**
Refer to earlier messages.

**Module:**
DFHMQTSK

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *q-name*

**Destination**
CMQM, Console and Terminal End User

**Explanation**
This message is issued if the transaction CKTI receives a trigger message that does not match the MQTM control block.

**System action**
The trigger message is sent to the dead-letter queue. CKTI processes the next message.

**User response**
Look at the message on the dead-letter queue to establish why it did not match the MQTM.

**Module:**
DFHMQTSK

**XMEOUT parameters/Message inserts**
1. *date*
Explanation
An MQOPEN call has been unable to open a queue. This message is followed by message DFHMQ0110 indicating the name of the queue.

System action
CKTI ends.

User response
Refer to the IBM MQ messages manual for information about mqcc and mqrc to determine the cause of the problem.

Module:
DFHMQTSK

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mqcc
5. mqrc

Destination
CMQM, Console and Terminal End User

DFHMQ0114D date time applid MQINQ failed.
MQCC=mqcc MQRC=mqrc.

Explanation
An attempt to use the MQINQ call to inquire about the attributes of a queue is unsuccessful. This message is followed by message DFHMQ0110 indicating the name of the queue.

System action
CKTI ends.

User response
Refer to the IBM MQ messages manual for information about mqcc and mqrc to determine why a MQINQ call could not be made on the queue.

Module:
DFHMQTSK

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mqcc
5. mqrc

Destination
CMQM, Console and Terminal End User
DFHMQ0116D  date time applid Cannot open the queue manager. MQCC= mqcc MQRC= mqrc.

Explanation
An MQOPEN call to the queue manager is unsuccessful.

System action
CKTI ends.

User response
Refer to the IBM MQ messages manual for information about mqcc and mqrc to determine the cause of the problem.

Module:
DFHMQTSK

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mqcc
5. mqrc

Destination
CMQM, Console and Terminal End User

DFHMQ0118 I  date time applid MsgID=X' msg-id' .

Explanation
This message follows message DFHMQ0113, indicating the hexadecimal identifier of the message that could not be processed.

System action
Processing continues.

User response
Refer to earlier DFHMQ0113 message.

Module:
DFHMQTSK

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X' msg-id'

Destination
CMQM, Console and Terminal End User

DFHMQ0117D  date time applid Cannot query the queue manager. MQCC= mqcc MQRC= mqrc.

Explanation
An MQINQ call to the queue manager is unsuccessful.

System action
CKTI ends.

User response
Refer to the IBM MQ messages manual for information about mqcc and mqrc to determine the cause of the problem.

Module:
DFHMQTSK

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mqcc
5. mqrc

DFHMQ0119D  date time applid CICS detected an IRC failure. Cannot start transaction tran-id.

Explanation
A trigger message is retrieved from the initiation queue which defines a CICS transaction to be started, and the transaction is defined to run in a remote CICS region. The EXEC CICS START request for this transaction ends abnormally because of a failure in the IRC connection between the local and remote CICS regions.

System action
The trigger message is sent to the dead-letter queue, and CKTI continues processing the next message.
User response
Investigate the reason for the IRC failure.

Module:
DFHMQTSK

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tran-id

Destination
CMQM, Console and Terminal End User

DFHMQ0120D  date time applid MQPUT failed. MQCC=mqcc MQRC=mqrc.

Explanation
An attempt is made to put a message on a queue with a MQPUT call, but the attempt is unsuccessful. This message is followed by message DFHMQ0110 indicating the name of the queue.

System action
CKTI ends.

User response
Refer to the IBM MQ messages manual for information about mqcc and mqrc to determine why a MQPUT call could not be made for the queue.

Module:
DFHMQTSK

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mqcc
5. mqrc

Destination
CMQM, Console and Terminal End User

DFHMQ0121D  date time applid MQPUT failed. MQCC=mqcc MQRC=mqrc.

Explanation
A dead-letter queue has not been defined for the queue manager.

System action
The trigger message is discarded, and the process cannot be started.

User response
Define a dead-letter queue if one is required.

Module:
DFHMQTSK

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CMQM, Console and Terminal End User

DFHMQ0122D  date time applid Cannot close the queue manager. MQCC=mqcc MQRC=mqrc.

Explanation
CKTI is unable to close the queue manager after inquiring about the dead-letter queue.

System action
CKTI ends.

User response
Refer to the IBM MQ messages manual for information about mqcc and mqrc to determine the cause of the problem.

Module:
DFHMQTSK

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mqcc
5. mqrc
**Destination**
CMQM, Console and Terminal End User

**Explanation**
The dead-letter queue defined is not of type local. This message is followed by message DFHMQ0110, indicating the name of the queue.

**System action**
The message is not put to the dead-letter queue.

**User response**
Define the dead-letter queue as a local queue.

**Module:**
DFHMQTSK

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid

---

**Explanation**
The dead-letter queue defined is not of usage type normal. This message is followed by message DFHMQ0110I indicating the name of the queue.

**System action**
The message is not put to the dead-letter queue.

**User response**
Define the dead-letter queue to have usage type normal.

**Module:**
DFHMQTSK

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. mqmonitor
5. X'eibfn'
6. eibresp
7. eibresp2

---

**Explanation**
CKTI has attempted to open an initiation queue, but the attempt is unsuccessful.

**User response**
CKTI will retry in one minute. MQCC=mqcc MQRC=mqrc.
**System action**

This may be a temporary problem so CKTI will retry in one minute. CKTI will continue to retry every minute for one hour.

**User response**

Refer to the IBM MQ messages manual for information about `mqcc` and `mqrc`.

**Module:** DFHMQTSK

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `mqcc`
5. `mqrc`

**Destination**

CMQM, Console and Terminal End User

**Explanation**

An attempt to issue an MQGET call on the initiation queue has been unsuccessful.

**System action**

This may be a temporary problem so CKTI will retry in one minute. CKTI will continue to retry every minute for one hour.

**User response**

Refer to the IBM MQ messages manual for information about `mqcc` and `mqrc`.

**Module:** DFHMQTSK

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `mqcc`
5. `mqrc`

**Destination**

CMQM, Console and Terminal End User

**Explanation**

Following a temporary communication problem CKTI processing of the named initiation queue has resumed.

**System action**

None.

**User response**

None.

**Module:** DFHMQTSK

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `q-name`

**Destination**

CMQM, Console and Terminal End User

**Explanation**

The CKTI transaction has detected an unrecoverable `abendcode` abend.

If the CKTI transaction is associated with an MQMONITOR, the message text includes the name of the MQMONITOR.

**System action**

The CKTI transaction terminates.

**User response**

Notify the system programmer.

Identify and correct the cause of the abend.

Manually restart the CKTI transaction.
Module: DFHMQTSK

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. abcode
5. mqmon

Destination
CMQM, Console and Terminal End User

DFHMQ0209 E date time applid Unable to INQUIRE on MQCONN.
EIBFN=X’eibfn’ EIBRESP=eibresp
EIBRESP2=eibresp2
EIBRCODE=X’eibrcode’.

Explanation
An attempt to inquire on the MQCONN definition is unsuccessful.

System action
The connection process is terminated, and control returns to CICS.

User response
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values. Determine the reason for the problem, and use the CICS-MQ adapter control panels (the CKQC transaction) to retry the connection process.

Module: DFHMQPUL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X’eibfn’
5. eibresp
6. eibresp2
7. X’eibrcode’

Destination
CMQM, Console and Terminal End User

DFHMQ0210 E date time applid Unable to INQUIRE on MQMON.
EIBFN=X’eibfn’ EIBRESP=eibresp
EIBRESP2=eibresp2
EIBRCODE=X’eibrcode’.

Explanation
An attempt to inquire on the MQMON definition is unsuccessful.

System action
The connection process is terminated, and control returns to CICS.

User response
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values. Determine the reason for the problem, and use the CICS-MQ adapter control panels (the CKQC transaction) to retry the connection process.

Module: DFHMQPUL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X’eibfn’
5. eibresp
6. eibresp2
7. X’eibrcode’

Destination
CMQM, Console and Terminal End User

DFHMQ0211 E date time applid Unable to LINK to program DFHMQPRM.
EIBFN=X’eibfn’ EIBRESP=eibresp
EIBRESP2=eibresp2
EIBRCODE=X’eibrcode’.

Explanation
An attempt to link to DFHMQPRM is unsuccessful.
System action
The connection process is terminated, and control returns to CICS.

User response
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values. Determine the reason for the problem, and use the CICS-MQ adapter control panels (the CKQC transaction) to retry the connection process.

Module:
DFHMQPUL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'eibfn'
5. eibresp
6. eibresp2
7. X'eibrcode'

Destination
CMQM, Console and Terminal End User

DFHMQ0220 W date time applid Unable to LINK to program DFHMQCON. EIBFN=X'eibfn' EIBRESP=eibresp EIBRESP2=eibresp2 EIBRCODE=X'eibrcode'.

Explanation
An attempt to link to DFHMQCON is unsuccessful.

System action
The connection process is terminated and control returns to CICS.

User response
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values. Use the CICS-MQ adapter control panels (the CKQC transaction) to retry the connection process.

Module:
DFHMQQCN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'eibfn'
5. eibresp
6. eibresp2
7. X'eibrcode'

Destination
CMQM, Console and Terminal End User

DFHMQQCN attempts to connect to WebSphere MQ, but has detected an obsolete INITPARM for program DFHMQPRM in the system initialization table (SIT) (or the SIT override INITPARM statement).

Explanation
DFHMQQCN attempts to connect to WebSphere MQ, but has detected an obsolete INITPARM for program DFHMQPRM in the system initialization table (SIT) (or the SIT override INITPARM statement).

System action
The connection process continues. The INITPARM settings are ignored and values are taken instead from the installed MQCONN definition.

User response
Remove the DFHMQPRM keyword and its values from the INITPARM statement in the SIT or the SIT override.

Module:
DFHMQQCN, DFHMQPUL

DFHMQ0221 E date time applid Unable to INQUIRE SYSTEM CICSSTATUS. EIBFN=X'eibfn' EIBRESP=eibresp EIBRESP2=eibresp2 EIBRCODE=X'eibrcode'.
Explanation
An attempt to issue EXEC CICS INQUIRE SYSTEM CICSSTATUS is unsuccessful.

System action
The connection process is terminated and control returns to CICS.

User response
The EIB fields contain information about the cause of the problem. See the CICS System programming reference manual for an explanation of these values. Use the CICS-MQ adapter control panels (the CKQC transaction) to retry the connection process.

Module:
DFHMQCN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'eibfn'
5. eibresp
6. eibresp2
7. X'eibrcode'

Destination
CMQM, Console and Terminal End User

DFHMQ0223 E  
date time applid Unable to receive input.  
EIBFN=X'eibfn' EIBRESP=eibresp  
EIBRESP2=eibresp2  
EIBRCODE=X'eibrcode'.

Explanation
The CICS adapter is unable to receive input from the CKQC transaction.

System action
The requested function is not performed.

User response
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values, and take the appropriate action. DFHMQCTL

Module:

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'eibfn'
5. eibresp
6. eibresp2
7. X'eibrcode'

Destination
CMQM, Console and Terminal End User
DFHMQ0232 E  date time applid Unable to RETURN TRANSID tran-id IMMEDIATE.
EIBFN=X'eibfn' EIBRESP=eibresp
EIBRESP2=eibresp2
EIBRCODE=X'eibrcode'.

Explanation
An attempt is made to issue an EXEC CICS RETURN TRANSID tran-id IMMEDIATE command, but it is unsuccessful.

System action
The function terminates and control returns to CICS.

User response
None.
Module:
DFHMQRET

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tran-id
5. X'eibfn'
6. eibresp
7. eibresp2
8. X'eibrcode'

Destination
CMQM, Console and Terminal End User

DFHMQ0235 E  date time applid Unrecognizable screen. Re-submit CKQC.

Explanation
CICS cannot determine the identifier of the screen currently displayed. Because of this, it cannot interpret the screen contents (including any input fields).

System action
Resubmit CKQC to restart from the beginning of the CICS transaction. If this problem occurs frequently, contact your IBM support center.

User response
None.
Module:
DFHMQBASE, DFHMQPOP

Destination
Terminal End User

DFHMQ0236 E  date time applid Display functions only supported using panel interface.

Explanation
The display function is requested; this function can only be used from the CICS-MQ adapter control panels (the CKQC transaction).

System action
The request is ignored.

User response
Use the CICS-MQ adapter control panels to access the display functions.
Module:
DFHMQCTL, DFHMQDIS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CMQM and Console

DFHMQ0237 E  date time applid Panel interface not supported on console.

Explanation
The CICS-MQ adapter control panels (the CKQC transaction) are not supported on the console.

System action
The panel request is ignored.

User response
Use a 3270 device to display the CICS-MQ adapter control panels.
Module: DFHMQCTL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Explanation
CKQC could not display the panel because it could not link to DFHMQBASE.

System action
CKQC ends.

User response
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values, and retry the operation.

Module: DFHMQDIS, DFHMQDSL, DFHMQQCN, DFHMQRS, DFHMQSSQ

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'eibfn'
5. eibresp
6. eibresp2
7. X'eibrcode'

Explanation
The system cannot receive input from the screen.

System action
The input is ignored, and the transaction is finished.

User response
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values. Determine the reason for the problem, and retry the operation.

Module: DFHMQDIS, DFHMQDSL, DFHMQQCN, DFHMQRS, DFHMQSSQ

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'eibfn'
5. eibresp
6. eibresp2
7. X'eibrcode'

**Destination**
CMQM, Console and Terminal End User

**DFHMQQ242D**  
`date time applid Invalid input. Connect rejected.`

**Explanation**
A connection request is issued with incorrect parameters specified.

**System action**
The request is ignored.

**User response**
Use the CICS-MQ adapter control panels (the CKQC transaction) to request the function, or check the request syntax in the Administering the CICS-MQ adapter and enter it again.

**Module:**
DFHMQQCN

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid

**Destination**
CMQM, Console and Terminal End User

**DFHMQQ243D**  
`date time applid Unsupported terminal type. Must be a console or 3270 device.`

**Explanation**
A request is made by a task that is not associated with a console or 3270 device.

**System action**
The request is ignored.

**User response**
Reissue the request from a task that has a 3270 device or console associated with it.

**Module:**
DFHMQDIS, DFHMQDSC, DFHMQDSL, DFHMQQCN, DFHMQRS, DFHMQSSQ

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid

**Destination**
CMQM and Console

**DFHMQQ244 E**  
`date time applid CICS is being quiesced. Connect rejected.`

**Explanation**
An attempt is made to connect to WebSphere MQ but CICS is shutting down so the connection request has been rejected.

**System action**
The connection process terminates and control returns to CICS.

**User response**
None.

**Module:**
DFHMQQCN

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid

**Destination**
CMQM and Console

**DFHMQQ245**  
`date time applid terminal The CICS-MQ Adapter is already active. CICS is connected to queue manager qmgr-name release vrr { | group } qsg-name`
The CICS-MQ Adapter is already active and connected to a QMGR.

The connection process does not continue.

None.

DFHMQQCN, DFHMQTM

1. date
2. time
3. applid
4. terminal
5. qmgr-name
6. vrr
7. Value chosen from the following options:
   1=,
   2= group
8. qsg-name

CMQM and Terminal End User

Already connected to queue manager qmgr-name. Connect rejected.

An attempt is made to connect to a queue manager but CICS is already connected to another queue manager, so the connection request has been rejected.

The connection process terminates and control returns to CICS.

To connect to the new queue manager shut down the current connection and reissue the connection request.

DFHMQQCN

The CICS API exit program CSQCAPX is activated.

Processing continues normally.

None.

DFHMQR5

Unable to EXTRACT EXIT DFHMQTRU.
EIBFN=X'eibfn' EIBRESP=eibresp EIBRESP2=eibresp2 EIBRCODE=X'eibrcode'.

An attempt to issue an EXEC CICS EXTRACT EXIT for the CICS-MQ TRUE DFHMQTRU command is unsuccessful.

The function terminates and control returns to CICS.
**User response**

The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values, and take the appropriate action (for example, use CKQC to restart the connection).

**Module:**
DFHMQCON

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. X'eibfn'
5. eibresp
6. eibresp2
7. X'eibrcode'

**Destination**
CMQM, Console and Terminal End User

**DFHMQ0303 E**

**date** **time** **applid** **tranid**

**Module**

**modname** could not be found.

**Explanation**

During CICS-MQ adapter initialization, an attempt was made to locate and load the named module, but it was not found in any of the libraries accessible to MVS through MVS BLDL.

**System action**

CICS-MQ attachment facility initialization does not complete.

**User response**

Check the CICS JOBLIB/STEPLIB and ensure that the required WebSphere MQ SCSQAUTH library is defined there. Alternatively, ensure the required WebSphere MQ library is in the MVS linklist.

**Module:**
DFHMQCON

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**
CMQM, Console and Terminal End User

**DFHMQ0304 E**

**date** **time** **applid** Failed
to ENABLE DFHMQTRU.

EIBFN=X'eibfn' EIBRESP=eibresp
EIBRESP2=eibresp2
EIBRCODE=X'eibrcode'.

**Explanation**

An attempt to issue an EXEC CICS ENABLE DFHMQTRU command is unsuccessful during connect processing.

**System action**

The connection process terminates and control returns to CICS.

**User response**

The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values, and take the appropriate action.

**Module:**
DFHMQCON

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. X'eibfn'
5. eibresp
6. eibresp2
7. X'eibrcode'

**Destination**
CMQM, Console and Terminal End User

**DFHMQ0305 E**

**date** **time** **applid** Unable
to INQUIRE MAXTASKS.

EIBFN=X'eibfn' EIBRESP=eibresp
EIBRESP2=eibresp2
EIBRCODE=X'eibrcode'.

**Explanation**

An attempt to issue an EXEC CICS INQUIRE MAXTASKS command is unsuccessful.
**System action**
The connection process terminates, and control returns to CICS.

**User response**
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values, and take the appropriate action.

**Module:** DFHMQCON

**XMEOUT parameters/Message inserts**
1. date  
2. time  
3. applid  
4. X'eibfn'  
5. eibresp  
6. eibresp2  
7. X'eibrcode'

**Destination**
CMQM, Console and Terminal End User

**DFHMQ0307 I**  
*date*  
*time*  
*applid*  
Successful connection to queue manager  
*qmgr-name*  
*vvrr*  
{ | *group*  
*qsg-name*

**Explanation**
The connection to queue manager *qmgr-name* is successful. The release of WebSphere MQ is *vvrr*. If this was a group attach then *qsg-name* is shown.

**System action**
Processing continues normally.

**User response**
None.

**Module:** DFHMQCON

**XMEOUT parameters/Message inserts**
1. date  
2. time  
3. applid  
4. *qmgr-name*  
5. *vvrr*  
6. Value chosen from the following options:
   - 1= ,
   - 2= group
7. *qsg-name*

**Destination**
CMQM, Console and Terminal End User
**Explanation**

An attempt to connect to MQNAME id is unsuccessful. If id is the name of a queue manager, the queue manager is not active. If RESYNCMEMBER(GROUPRESYNC) is specified, the id is the name of a queue-sharing group. All the queue managers in the queue-sharing group are inactive.

**System action**

CICS automatically connects when the queue manager becomes active, or a queue manager in the queue-sharing group becomes active.

**User response**

Check that you entered the correct name. You can either start the queue manager to connect automatically or disconnect and reconnect to another active queue manager.

**Module:**

DFHMQCON

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. id

**Destination**

CMQM, Console and Terminal End User

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**Explanation**

An attempt to connect to a queue manager is unsuccessful because the queue manager is already connected.

**System action**

The connection process terminates and control returns to CICS.

**User response**

None.

**Module:**

DFHMQCON

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. qmgr-name
**Explanation**

During the connection process, the CICS-MQ adapter is unable to start the alert monitor CKAM.

**System action**

The queue manager is connected, but CKAM is not started so the function of the CICS-MQ adapter is restricted.

**User response**

Without the alert monitor, the CICS-MQ adapter is unable to perform the following functions:

- It cannot handle a deferred connection
- It cannot respond to a queue manager failure
- It cannot perform a warm or immediate shutdown if it needs to wait (that is, the last task carries out shutdown)

It is recommended that you use CKQC to terminate the connection using a forced shutdown of the CICS adapter.

The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values, and take the appropriate action.

**Module:**

DFHMQCON

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. X'eibfn'
5. eibresp
6. eibresp2
7. X'eibrcode'

**Destination**

CMQM, Console and Terminal End User
User response
See the Administering IBM MQ for z/OS for information about resolving the WebSphere MQ unit of recovery associated with the in-doubt CICS unit of work.

Module: DFHMQCON

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. conn-name
5. X'uow-id'

Destination
CMQM, Console and Terminal End User

DFHMQ0314 I date time applid UOWIDs
highlighted with * will not be automatically resolved.

Explanation
This message appears when there are unresolved in-doubt units of work. Refer to message DFHMQ0313I.

System action
None.

User response
None.

Module: DFHMQCON

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CMQM, Console and Terminal End User

DFHMQ0315 E date time applid Unable to LOAD API exit CSQCAPX.
EIBFN=X'eibfn' EIBRESP=eibresp
EIBRESP2=eibresp2
EIBRCODE=X'eibrcode'.

Explanation
The CICS-MQ adapter is unable to use the API-crossing exit program CSQCAPX. This can be a normal situation if you do not intend to use the API-crossing exit, and have disabled the program CSQCAPX.

System action
The API-crossing exit is not used.

User response
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values. If you are trying to use the API-crossing exit, use the data contained in these fields to resolve the problem.

Module: DFHMQCON, DFHMQRS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'eibfn'
5. eibresp
6. eibresp2
7. X'eibrcode'

Destination
CMQM, Console and Terminal End User

DFHMQ0316 I date time applid More messages. Check console for full display.

Explanation
This message is displayed if too many messages have been issued to be displayed on the screen.

System action
Processing continues normally.

User response
Check the console for further messages.

Module: DFHMQDIS, DFHMQDSC, DFHMQDSL, DFHMQQCN, DFHMQRS, DFHMQSSQ
XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CMQM, Console and Terminal End User

DFHMQ0317 date time applid CICS-MQ command is invalid. No MQCONN is installed.

Explanation
A CICS-MQ start, stop, display or reset has been issued but no MQCONN definition is installed.

System action
The command is not executed.

User response
Install the necessary MQCONN and then retry the command.

Module:
DFHMQCON

DFHMQ0318 I date time applid UOWID=conn-name.X'uow-id' created by Transid transid Taskid taskid is in doubt.

Explanation
This message is issued at connection time. The unit of work shown is in doubt.

System action
The units of work will be resolved via resynchronization with CICS.

User response
See the Administering IBM MQ for z/OS for information about resolving the WebSphere MQ unit of recovery associated with the in-doubt CICS unit of work.

Module:
DFHMQCON

User response
Install the necessary MQCONN and then retry the command.

Module:
DFHMQCON

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. conn-name
5. X'uow-id'
6. transid
7. taskid

Explanation
This message is issued at connection time. The unit of work shown is in doubt.

System action
The units of work will be resolved via resynchronization with CICS.

User response
See the Administering IBM MQ for z/OS for information about resolving the WebSphere MQ unit of recovery associated with the in-doubt CICS unit of work.

Module:
DFHMQCON

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. conn-name
5. X'uow-id'
6. transid
7. taskid

Explanation
An attempt to issue an EXEC CICS INQUIRE SYSTEM RELEASE command is unsuccessful.

System action
The connection process terminates and control returns to CICS.

User response
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values, and take the appropriate action.

Module:
DFHMQCON

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. conn-name
5. EIBFNC=X’eibfn’ EIBRESP=’eibresp
   EIBRESP2=’eibresp2’ EIBRCODE=’X’eibrcode’;

Explanation
An attempt to issue an EXEC CICS INQUIRE SYSTEM RELEASE command is unsuccessful.

System action
The connection process terminates and control returns to CICS.

User response
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values, and take the appropriate action.

Module:
DFHMQCON
Destination
CMQM, Console and Terminal End User

**DFHMQ0320I**

*date time applid* The CICS-MQ Adapter cannot find MQNAME id.

**Explanation**

The CICS-MQ adapter failed to connect because the MQNAME id was not found. The id is not the name of a queue manager nor the name of a queue sharing group defined to this system.

**System action**

The CICS-MQ attachment facility is inactive.

**User response**

Change the MQNAME parameter on the MQCONN definition to specify a valid queue manager name or name of a queue sharing group. None.

**Module:**

DFHMQDSC

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *id*

**Destination**
CMQM, Console and Terminal End User

**DFHMQ0322D**

*date time applid* Invalid input. Stop connection rejected.

**Explanation**

A request to shut down the CICS-MQ adapter is made, but it is rejected because the syntax of the shutdown request is not valid.

**System action**

The request is ignored.

**User response**

Issue the request again. See the Administering the CICS-MQ adapter for details of the correct syntax.

**Module:**

DFHMQDSC

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*

**Destination**
CMQM, Console and Terminal End User

**DFHMQ0323 I**

*date time applid* command received from TERMID=termid TRANID=tranid USERID=userid.

**Explanation**

The request to connect or disconnect is received from terminal termid. The originating transaction is tranid (this could be CKAM). userid is the user ID of the operator who used the terminal to initiate the
operation. This message is also issued on the console for audit trail purposes.

**System action**
Processing continues normally.

**User response**
None.

**Module:**
DFHMQQCN, DFHMQDSC

### XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. command
5. termid
6. tranid
7. userid

**Destination**
CMQM, Console and Terminal End User

**DFHMQ0324 I**
{date} {time} {applid} All queue managers in queue sharing group {qsg-name} are inactive.

**Explanation**
An CICS-MQ group attach request to a queue manager in queue sharing group {qsg-name} failed because all queue managers in the group are inactive.

**System action**
The CICS-MQ Adapter proceeds to attempt connection to each queue manager in turn and connection will be made when a queue manager in the group becomes active on this system.

**User response**
Check that you entered the correct group name for the MQNAME parameter in the MQCONN definition or on the CKQC command. Start a queue manager and the connection will then be made automatically.

**Module:**
DFHMQCON

### XMEOUT parameters/Message inserts

1. date
2. time
3. applid

**Destination**
CMQM, Console and Terminal End User

**DFHMQ0325 I**
{date} {time} {applid} Call to CICS SVC for CICS-MQ function failed.

**Explanation**
The CICS-MQ adapter issued a call to the CICS SVC during CICS-MQ group attach processing. The call to the CICS SVC failed.

**System action**
The CICS-MQ connection fails. The CICS-MQ adapter will issue an exception trace and take a system dump.

**User response**
Ensure the correct level of CICS SVC DFHCSVC is in use. Changing the SVC requires an MVS IPL to activate it.

**Module:**
DFHMQCON

### XMEOUT parameters/Message inserts

1. date
2. time
3. applid

**Destination**
CMQM, Console and Terminal End User

**DFHMQ0326 E**
{date} {time} {applid} Connection status {Connecting | Pending | Connected | Quiescing | Stopping-Force | Disconnected | Inactive | Unknown} is not valid for {command} Command rejected.

**Explanation**
A request to shut down the CICS-MQ adapter is made, but it is rejected because a STOP FORCE shutdown has already been requested.
**System action**
The request is ignored.

**User response**
None.

**Module:**
DFHMQDSC

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. Value chosen from the following options:
   - 1=Connecting
   - 2=Pending
   - 3=Connected
   - 4=Quiescing
   - 5=Stopping-Force
   - 6=Disconnected
   - 7=Inactive
   - 8=Unknown
5. *command*

**Destination**
CMQM, Console and Terminal End User

**DFHMQ0331 I**
*date time applid* Adapter shutdown completed. Unable to disconnect from queue manager *qmgr-name* release *vvrr* { | group } *qsg-name*

**Explanation**
The CICS-MQ adapter is shut down. However, it is not able to disconnect from *qmgr-name* (for example, because the queue manager has already shut down). The release of WebSphere MQ is *vvrr*. If the connection had used group attach then *qsg-name* is shown.

**System action**
Processing continues normally.

**User response**
Look for other messages explaining why the CICS-MQ adapter could not disconnect from WebSphere MQ.

**Module:**
DFHMQDSC

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *qmgr-name*
5. *vvrr*
6. Value chosen from the following options:
   - 1=
   - 2= group
7. *qsg-name*

**Destination**
CMQM, Console and Terminal End User

**DFHMQ0332 I**
*date time applid* Queue manager *qmgr-name* is already stopped. MQCC=*mqcc* MQRC=*mqrc*.

**Explanation**
A request is made to shut down the CICS-MQ adapter, but the queue manager is already shut down. For example, the operator shuts down both the queue manager and the CICS-MQ adapter simultaneously. If the queue manager stops first, it cannot receive the disconnect request from the CICS adapter.

**System action**
The adapter shutdown process continues.

**User response**
If the queue manager is already shut down, you can ignore this message. Refer to the IBM MQ messages manual for information about *mqcc* and *mqrc*, and take the appropriate action.

**Module:**
DFHMQDSC

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. applid
4. qmgr-name
5. mqcc
6. mqrc

**Destination**
CMQM, Console and Terminal End User

**DFHMQ0333 E**

*date time applid Unable to disconnect from queue manager qmgr-name. MQCC=mqcc MQRC=mqrc.*

**Explanation**
A request is made to disconnect from queue manager qmgr-name but it is unsuccessful.

**System action**
The adapter shutdown process continues.

**User response**
If the queue manager is already shut down, you can ignore this message. Refer to the IBM MQ messages manual for information about mqcc and mqrc, and take the appropriate action.

**Module:**
DFHMQDSC

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. qmgr-name
5. mqcc
6. mqrc

**Destination**
CMQM, Console and Terminal End User

**DFHMQ0336 I**

*date time applid command received from a PLT program.*

**Explanation**
The command request is received from a PLT program.

**System action**
Processing continues normally.

**User response**
None.

**Module:**
DFHMQQCN

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. command

**Destination**
CMQM and Console
**DFHQMQ0337 I**  
*date time applid command*

received from DFHMQCOD.

**Explanation**

The command request is received from DFHMQCOD, the CICS-WebSphere MQ adapter program, because the MQCONN system initialization parameter was specified with value YES.

**System action**

Processing continues normally.

**User response**

None.

**Module:** DFHMQQCN

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *command*

**Destination**

CMQM and Console

**DFHQMQ0341 I**  
*date time applid shutdown-type*

requested by alert monitor CKAM.

**Explanation**

The request to shut down the CICS-MQ adapter is issued by the alert monitor CKAM.

**System action**

Processing continues.

**User response**

None.

**Module:** DFHMQQCN

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *shutdown-type*

**Destination**

CMQM and Console

**DFHQMQ0342 I**  
*date time applid request*

received from alert monitor.

**Explanation**

Request *request* is received from the alert monitor (CKAM).

**System action**

Processing continues normally.

**User response**

None.

**Module:** DFHMQQCN

**DFHQMQ0343 E**  
*date time applid MQOPEN failed.*

MQCC=,*mqcc* MQRC=,*mqrc*.

**Explanation**

An MQOPEN call for the queue manager object failed. The CICS-MQ adapter is opening the queue manager object to determine the release of WebSphere MQ.

**System action**

The connection continues without determining the WebSphere MQ release.

**User response**

Refer to the IBM MQ messages manual for information about *mqcc* and *mqrc*, and take the appropriate action.

**Module:** DFHMQCON

**XMEOUT parameters/Message inserts**

1. *date*
2. time
3. applid
4. mqcc
5. mqrc

Destination
CMQM, Console and Terminal End User

DFHMQ0344 E  date time applid MQINQ failed.
MQCC=mqcc MQRC=mqrc.

Explanation
An MQINQ call against the queue manager object failed. The CICS-MQ adapter is issuing the inquire to determine the release of WebSphere MQ.

System action
The connection continues without determining the WebSphere MQ release.

User response
Refer to the IBM MQ messages manual for information about mqcc and mqrc, and take the appropriate action.

Module:
DFHMQCON

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mqcc
5. mqrc

Destination
CMQM, Console and Terminal End User

DFHMQ0350 I  date time applid Unable to LOAD API exit CSQCAPX. Program not found.

Explanation
The CICS-MQ adapter is unable to use the API-crossing exit program CSQCAPX because it cannot be found. This is a normal situation if you do not intend to use the API-crossing exit.

System action
Processing continues normally.

User response
None.

Module:
DFHMQCON, DFHMQRS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CMQM, Console and Terminal End User

DFHMQ0351 I  date time applid Unable to LOAD API exit CSQCAPX. Program is disabled.
Explanation
The connection to queue manager ssnm is successful. The CICS-MQ adapter is unable to use the API-crossing exit program CSQCAPX because it is disabled. This is a normal situation if you do not intend to use the API-crossing exit, and have therefore disabled the program CSQCAPX.

System action
The API-crossing exit is not used.

User response
If you wish to use the API-crossing exit:
• Ensure that CSQCAPX is in the DFHRPL concatenation
• Issue the CICS command CEMT SET PROGRAM(CSQCAPX) NEWCOPY ENABLE
• Activate the exit using the Modify Connection option of the CKQC transaction

Module: DFHMQCON, DFHMQRS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CMQM, Console and Terminal End User

DFHMQ0360D  date time applid Unable to RETRIEVE RTRANSID. Monitor terminated.
EIBFN=’X’eibfn’ EIBRESP=eibresp EIBRESP2=eibresp2 EIBRCODE=X’eibrcode’.

Explanation
An attempt to issue an EXEC CICS RETRIEVE RTRANSID is unsuccessful (for example, an unauthorized user has tried to start the alert monitor).

System action
Processing continues (including the alert monitor if one is already running).

User response
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values.

Module: DFHMQMON

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. ’X’eibfn’
5. eibresp
6. eibresp2
7. ’X’eibrcode’

Destination
CMQM, Console and Terminal End User

DFHMQ0361D  date time applid Unexpected invocation. Monitor terminated.

Explanation
An attempt is made to start the alert monitor by an unrecognized transaction.

System action
The request is ignored.

User response
None.

Module: DFHMQMON

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CMQM, Console and Terminal End User

DFHMQ0362D  date time applid Unable to EXTRACT EXIT
DFHMQTRU. Monitor terminated.
EIBFN=’X’eibfn’ EIBRESP=eibresp
EIBRESP2=eibresp2
EIBRCODE=X'eibrcode'.

Explanation
An attempt to issue an EXEC CICS EXTRACT EXIT command for the CICS-MQ TRUE DFHMQTRU is unsuccessful.

System action
The alert monitor terminates.

User response
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values, and take the appropriate action.

Module: DFHMQMON

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'eibfn'
5. eibresp
6. eibresp2
7. X'eibrcode'

Destination
CMQM, Console and Terminal End User

DFHMQ0363D date time applid Unable to perform WAIT EXTERNAL. Monitor terminated.
EIBFN=X'eibfn' EIBRESP=eibresp
EIBRESP2=eibresp2
EIBRCODE=X'eibrcode'.

Explanation
An attempt to perform an EXEC CICS WAIT EXTERNAL is unsuccessful.

System action
The alert monitor terminates.

User response
None.

Module: DFHMQMON

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CMQM, Console and Terminal End User

DFHMQ0364 I date time applid Monitor terminated normally.

Explanation
There are no remaining active or deferred connections, so the alert monitor has terminated.

System action
Processing continues.

User response
None.

Module: DFHMQMON

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CMQM, Console and Terminal End User

DFHMQ0365 E date time applid Unable to LINK to program DFHMQQCN.
EIBFN=X'eibfn' EIBRESP=eibresp
The alert monitor has detected that a deferred connection has been activated, but it cannot link to DFHMQQCN.

System action
The connection process is terminated, and control returns to CICS.

User response
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values. Use the CICS-MQ adapter control panels (the CKQC transaction) to disconnect from WebSphere MQ.

Module:
DFHMQMON

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'eibfn'
5. eibresp
6. eibresp2
7. X'eibrcode'

Destination
CMQM, Console and Terminal End User

DFHMQ0366 E date time applid Unable to LINK to program DFHMQDSC.
EIBFN=X'eibfn' EIBRESP=eibresp EIBRESP2=eibresp2
EIBRCODE=X'eibrcode'.

Explanation
The alert monitor has detected that the CICS-MQ adapter is ready to shut down but cannot link to DFHMQDSC.

System action
The disconnection process continues and control returns to CICS.

User response
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values. Use the CICS-MQ adapter control panels (the CKQC transaction) to disconnect from WebSphere MQ.

Module:
DFHMQMON

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'eibfn'
5. eibresp
6. eibresp2
7. X'eibrcode'

Explanation
A pending event is not of the type expected by the alert monitor.

System action
The pending event is discarded.

User response
If this problem occurs frequently, collect the following diagnostic items, and contact your IBM support center:
- A note of the values returned in the message
- Any trace information collected

Module:
DFHMQMON

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'type'
5. X'location'
**Destination**
CMQM, Console and Terminal End User

**DFHMQ0369 E**  
More than 99 notify messages outstanding. This message is postponed temporarily.

**Explanation**
More than 99 pending events have been established. (For example, attempts have been made to connect to more than 99 systems that are not running.)

**System action**
The event is not processed until one of the other 99 events has expired.

**User response**
If you want to clean up the system, shut down and restart CICS.

**Module:**
DFHMQMON

**XMEOUT parameters/Message inserts**
1. date  
2. time  
3. applid

**Destination**
CMQM, Console and Terminal End User

**DFHMQ0370 I**  
MQMONITORs are currently restricted to type MQGETs per second.

**Explanation**
The number of MQGETs an MQMONITOR task can issue per second is currently restricted as the current z/OS WLM server health indicator for the CICS address space is not 100%.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHMQMON

**XMEOUT parameters/Message inserts**
1. date  
2. time  
3. applid

**Destination**
CMQM, Console and Terminal End User

**DFHMQ0371 I**  
MQMONITORs do not have a restriction on the number of MQGETs that can be issued per second.

**Explanation**
MQMONITORs do not have a restriction on the number of MQGETs an MQMONITOR task can issue per second.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHMQMON

**XMEOUT parameters/Message inserts**
1. date  
2. time  
3. applid

**Destination**
CMQM, Console and Terminal End User

**DFHMQ0380 E**  
No active connection. {STARTCKTI | STOPCKTI | RESET | DISPLAY} rejected.

**Explanation**
An attempt to start or stop CKTI or to use the DISPLAY/RESET function, is unsuccessful because there is no active connection between CICS and WebSphere MQ.
System action
The request is ignored.

User response
Establish a connection and reissue the request.

Module:
DFHMQDIS, DFHMQDSL, DFHMQRS, DFHMQSSQ

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=STARTCKTI,
   2=STOPCKTI

Destination
CMQM, Console and Terminal End User

DFHMQ0381D date time applid No initiation queue name specified at connect time. {STARTCKTI | STOPCKTI} rejected.

Explanation
An attempt is made to start or stop CKTI using the default queue name, but the default queue name is not found. This is because the current connection does not have an initiation queue name associated with it.

System action
The request is ignored.

User response
Specify the queue name explicitly. If you require a default queue name, specify one when you perform the connection process.

Module:
DFHMQSSQ

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=STARTCKTI,
   2=STOPCKTI

Destination
CMQM, Console and Terminal End User

DFHMQ0383D date time applid Another CKTI with the same initiation queue name is being started. {STARTCKTI | STOPCKTI} rejected.

Explanation
An attempt is made to start CKTI specifying the name of an initiation queue that is used by another CKTI being started.

System action
The request is ignored.

User response
Review the console for messages in the range DFHMQ0100 through DFHMQ0109 for further information, or use CICS operator commands (for example CEMT INQ TASK) to determine why the CKTI started earlier is not running. If the review indicates the earlier CKTI has terminated then issue STOP CKTI specifying the same Initiation Queue Name. This will resolve the pending start and allow the re-issue of START CKTI for the same Initiation Queue Name.

Module:
DFHMQSSQ

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=STARTCKTI,
   2=STOPCKTI
name is still running. \texttt{\{STARTCKTI / STOPCKTI\}} rejected.

**Explanation**
An attempt is made to start CKTI specifying the name of an initiation queue that is already used by a CKTI which is still running.

**System action**
The request is ignored.

**User response**
If required, use the CICS-MQ adapter control panels (the CKQC transaction) to stop the existing CKTI, and restart.

**Module:** DFHMQSSQ

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. Value chosen from the following options:
   1. \texttt{STARTCKTI},
   2. \texttt{STOPCKTI}

**Destination**
CMQM, Console and Terminal End User

**DFHM0384D** date time applid Another CKTI with the same initiation queue name is being stopped. \texttt{\{STARTCKTI / STOPCKTI\}} rejected.

**Explanation**
Either:
- An attempt is made to start CKTI with an initiation queue name the same as the one that is currently being stopped, or
- An attempt was made to stop an initiation queue that is already in the process of stopping.

**System action**
The request is ignored.

**User response**
Wait until the initiation queue has stopped, and then reissue the start request if required.

**Module:** DFHMQSSQ

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. Value chosen from the following options:
   1. \texttt{STARTCKTI},
   2. \texttt{STOPCKTI}

**Destination**
CMQM, Console and Terminal End User

**DFHM0385D** date time applid CKTI not found. \texttt{\{STARTCKTI / STOPCKTI\}} rejected.

**Explanation**
An attempt to stop CKTI is unsuccessful because the queue name specified is not found. This is because either:
- The name of the initiation queue is specified incorrectly, or
- The CKTI has already stopped

**System action**
The request is ignored.

**User response**
Verify the name of the initiation queue, and reissue the request if necessary.

**Module:** DFHMQSSQ

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. Value chosen from the following options:
   1. \texttt{STARTCKTI},
   2. \texttt{STOPCKTI}
Destination
CMQM, Console and Terminal End User

**DFHMQ0386 I**

*date time applid {STARTCKTI | STOPCKTI | RESET} initiated from TERMID=termid TRANID=tranid USERID=userid* and is accepted.

**Explanation**
The CICS-MQ adapter has processed the *command* request. However, the CICS task might not have completed its processing yet (for example, CKTI could be waiting for a certain event to occur before it can be stopped). *command* can be STARTCKTI, STOPCKTI, or RESET.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHMQSSQ

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. Value chosen from the following options:
   - 1=STARTCKTI,
   - 2=STOPCKTI,
   - 3=RESET
5. *termid*
6. *tranid*
7. *userid*

Destination
CMQM, Console and Terminal End User

**DFHMQ0389 E**

*date time applid Invalid input. Start/Stop CKTI rejected.*

**Explanation**
The syntax of the CICS adapter request entered is incorrect.

**System action**
The request is rejected.

**User response**
See the Administering the CICS-MQ adapter for details of the correct syntax, or use the CICS-MQ adapter control panels (the CKQC transaction) to request the function.

**Module:**
DFHMQSSQ

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*

Destination
CMQM, Console and Terminal End User

**DFHMQ0390 E**

*date time applid Unable to START transaction tranid associated with MQMONITOR mqmonitor. EIBFN=X'eibfn' EIBRESP=eibresp EIBRESP2=eibresp2 EIBRCODE=X'eibrcode'.*

**Explanation**
During the connection process, the CICS-MQ adapter is unable to start the transaction associated with the specified MQMONITOR.

**System action**
The queue manager is connected, but the MQMONITOR is not started.

**User response**
After the cause of the problem has been corrected, attempt to restart the MQMONITOR using the CEMT SET MQMONITOR transaction or EXEC CICS START commands.

The EIB fields contain information about which command is being issued and the cause of the problem. See the CICS Knowledge Center for an explanation of these values, and take the appropriate action.

**Module:**
DFHMQCON, DFHMQMNS
XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. mqmonitor
6. X’eibfn’
7. eibresp
8. eibresp2
9. X’eibrkode’

Destination
CMQM, Console and Terminal End User

**DFHMQ0391I**  date time applid Start requested for mqmonitor mqmonitor, transaction tranid.

Explanation
This message is issued when a request to start the specified mqmonitor has been successfully processed.

System action
Processing continues.

User response
None.

Module:
DFHMQMNS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mqmonitor
5. tranid

Destination
CMQM, Console and Terminal End User

**DFHMQ0392I**  date time applid Stop requested for mqmonitor mqmonitor, transaction tranid.

Explanation
A trigger message is retrieved from the initiation queue which defines a CICS transaction to be started. An abend was detected while processing the EXEC CICS START request for this transaction.

System action
The trigger message is sent to the dead-letter queue, and CKTI continues processing the next message.

User response
Investigate the reason for the abend.

Module:
DFHMQTSK

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tran-id
Destination
CMQM, Console and Terminal End User

**DFHMQ0400 I**  
*date time applid UOWID=conn-name.X'uow-id'*

**Explanation**
This message gives the connection name and the identifier of a unit of work and appears with one of the following messages:
- DFHMQ0402
- DFHMQ0403
- DFHMQ0404
- DFHMQ0405
- DFHMQ0406
- DFHMQ0407

You can use the connection name when using WebSphere MQ commands (for example, RESOLVE INDOUBT).

**System action**
Processing continues.

**User response**
See associated messages.

**Module:** DFHMQTRU

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *conn-name*
5. *X'uow-id'*

**Destination**
CMQM and Console

**DFHMQ0402 I**  
*date time applid Resolved with COMMIT.*

**Explanation**
The syncpoint coordinator has informed WebSphere MQ that the unit of work indicated by the accompanying DFHMQ0400 message has been committed.

**System action**
Processing continues.

**User response**
None.

**Module:** DFHMQTRU

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*

**Destination**
CMQM and Console

**DFHMQ0403 I**  
*date time applid Resolved with BACKOUT.*

**Explanation**
The syncpoint coordinator has informed WebSphere MQ that the unit of work indicated by the accompanying DFHMQ0400 message has been backed out.

**System action**
Processing continues.

**User response**
None.

**Module:** DFHMQTRU

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*

**Destination**
CMQM and Console

**DFHMQ0404 E**  
*date time applid Resolve failed. MQCC=MQCC MQRC=MQRC.*

**Explanation**
The syncpoint coordinator requested that the unit of work indicated by the accompanying DFHMQ0400 message.
message be committed or backed out. However, WebSphere MQ is unable to do this. mqrc gives the reason for the problem.

**System action**
The unit of work remains in doubt.

**User response**
If you want to resolve the unit of work:

- Diagnose the cause of the problem and correct it (refer to the IBM MQ messages manual for information about mqcc and mqrc, and use the CICS-MQ adapter control panels (the CKQC transaction) to reconnect WebSphere MQ.

**Module:**
DFHMQTRU

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. mqcc
5. mqrc

**Destination**
CMQM and Console

**Explanation**
The syncpoint coordinator requested that resolution of the units of work be executed. However, WebSphere MQ was unable to do this.

**System action**
The unit of work remains in doubt.

**User response**
Refer to the IBM MQ messages manual for information about mqcc and mqrc, to determine the cause of the problem. See the Administering the CICS-MQ adapter for information about resolving the WebSphere MQ unit of recovery associated with the CICS unit of work.

**Module:**
DFHMQTRU

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. mqcc
5. mqrc

**Destination**
CMQM and Console

**DFHMQ0405 E** date time applid  Execute resolve failed. MQCC=mqcc MQRC=mqrc.

**Explanation**
The syncpoint coordinator has been subjected to an initial start, and information regarding units of work has been lost (syncpoint state UERTDGCS). The coordinator cannot inform the CICS-MQ adapter whether to commit or back out the unit of work indicated by the accompanying DFHMQ0400 message. For information about UERTDGCS, see the Developing system programs for CICS.

**System action**
The unit of work remains in doubt.

**User response**
Determine how to resolve the in-doubt unit of work. See the Administering the CICS-MQ adapter for information about resolving the WebSphere MQ unit of recovery associated with the CICS unit of work.

**Module:**
DFHMQTRU

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid

**Destination**
CMQM and Console

**DFHMQ0406 E** date time applid Cannot resolve, syncpoint disposition lost.

**Explanation**
The syncpoint coordinator cannot find a decision about resolving the unit of work indicated by the
accompanying DFHMQ0400 message (syncpoint state UERTDGNK). The coordinator cannot inform the CICS-MQ adapter whether to commit or back out the unit of work. For information about UERTDGNK, see the Developing system programs for CICS.

**System action**
The unit of work remains in doubt.

**User response**
Determine how to resolve the in-doubt unit of work. See the Administering the CICS-MQ adapter for information about resolving the WebSphere MQ unit of recovery associated with the CICS unit of work.

**Module:**
DFHMQTRU

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid

**Destination**
CMQM and Console

**DFHMQ0408 I**

<table>
<thead>
<tr>
<th>date</th>
<th>time</th>
<th>applid</th>
</tr>
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</table>

**Explanation**
Total resynchronization is not achieved; some units of work remain in doubt.

**System action**
Processing continues.

**User response**
Action any messages received before this one which indicate units of work that have not been resolved. When there are no more in-doubt units of work message DFHMQ0409 is issued.

**Module:**
DFHMQTRU

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid

**Destination**
CMQM and Console

**DFHMQ0409 I**

<table>
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<tr>
<th>date</th>
<th>time</th>
<th>applid</th>
</tr>
</thead>
</table>

**Resynchronization completed successfully.**

**Explanation**
Resynchronization has completed successfully; all units of work have been resolved.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHMQTRU

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid

**Destination**
CMQM and Console

**DFHMQ0410 I**

<table>
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<tr>
<th>date</th>
<th>time</th>
<th>applid</th>
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</table>

**CICS immediate shutdown detected. Adapter terminated.**

**Explanation**
CICS has notified the CICS-MQ adapter that it is shutting down immediately.

**System action**
The CICS-MQ adapter initiates an immediate shutdown. Any in-flight tasks using WebSphere MQ are backed out when the connection is broken by CICS.

**User response**
See the Administering the CICS-MQ adapter for more information about CICS-MQ adapter shutdown.
DFHMQ0411 I  date time applid CICS warm shutdown detected. Adapter is quiescing.

Explanation
CICS has notified the CICS-MQ adapter that it has initiated a warm shutdown.

System action
The CICS-MQ adapter initiates a quiesced shutdown.

User response
See the Administering the CICS-MQ adapter for more information about CICS-MQ adapter shutdown.

Module:
DFHMQTRU

DFHMQ0412 I  date time applid CICS abend detected. Adapter terminated.

Explanation
The referenced task is force purged by the operator and abends with shown abend code.

System action
The outstanding task has been completed and, because it is not in a must-commit state, the CICS-MQ adapter ends the task abnormally. For more information about the CICS abend code, see the Diagnostics reference manual.

User response
None.

Module:
DFHMQTRU

DFHMQ0415 I  date time applid Task ID task-id will continue. Force purge ignored.

Explanation
The referenced task is force purged by the operator.

System action
The outstanding task has been completed but, because it is in a must-commit state (for example, syncpoint), the CICS-MQ adapter does not end the task.
User response
None.

Module:
DFHMQTRU

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *task-id*

**Destination**
CMQM and Console

**DFHMQ0416 I**
`date time applid Address X'address' is out of range. Area of length length is not traced.`

**Explanation**
An address *address* passed from an application is out of range for one of the following reasons:
- The address plus the length of the area to be traced exceeds the 2GB addressing limit
- The address is not within the private area storage of the CICS region as regarded by z/OS

Because of this, the CICS trace facility is unable to trace the area.

**System action**
Processing continues.

**User response**
If the address is in error, correct the application.

Module:
DFHMQTRU

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *X'address'*
5. *length*

**Destination**
CMQM and Console

**DFHMQ0418 E**
`date time applid Unable to LOAD program CSQAVICM. EIBFN=X'eibfn' EIBRESP=eibresp EIBRESP2=eibresp2 EIBRCODE=X'eibrcode'.`

**Explanation**
An attempt to load CSQAVICM is unsuccessful.

**System action**
The process terminates, and control returns to CICS.

**User response**
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values.

Module:
DFHMQCON

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *X'eibfn'*
5. *eibresp*
6. *eibresp2*
7. *X'eibrcode'*

**Destination**
CMQM and Console

**DFHMQ0420 E**
`date time applid Unable to send map map-id mapset DFHMQ1x. EIBFN=X'eibfn' EIBRESP=eibresp EIBRESP2=eibresp2 EIBRCODE=X'eibrcode'.`

**Explanation**
The program is unable to send map *map-id* from the map set DFHMQ1x to the screen.

**System action**
The task is terminated.

**User response**
The EIB fields contain information about the cause of the problem. See the CICS Application development
reference manual for an explanation of these values, and take the appropriate action.

**Module:**
DFHMQCBS, DFHMQPPO, DFHMQPUL, DFHMQRET

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. map-id
5. $eibfn$
6. eibresp
7. eibresp2
8. $eibrcode$

**Destination**
CMQM, Console and Terminal End User

**DFHMQ0421 I applid Tab cursor was not on a valid object.**

**Explanation**
The cursor is not in the correct position when the enter key is pressed.

**System action**
The input is ignored.

**User response**
Use the tab key to move the cursor to a valid position.

**Module:**
DFHMQCBS

**Destination**
Terminal End User

**DFHMQ0422 E date time applid Unable to RETURN TRANSID CKBM.**

**Explanation**
An attempt is made to issue an EXEC CICS RETURN TRANSID CKBM command, but it is unsuccessful.

**System action**
The transaction terminates and control returns to CICS.

**User response**
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values, and take the appropriate action.

**Module:**
DFHMQCBS, DFHMQPPO, DFHMQPUL, DFHMQRET

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. $eibfn$
5. eibresp
6. eibresp2
7. $eibrcode$

**Destination**
CMQM, Console and Terminal End User

**DFHMQ0423 E date time applid Unable to XCTL to program pgm-name.**

**Explanation**
An attempt to transfer control to program pgm-name is unsuccessful.

**System action**
The transaction terminates and control returns to CICS.

**User response**
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values, and take the appropriate action.

**Module:**
DFHMQCBS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. pgm-name
5. X'eibfn'
6. eibresp
7. eibresp2
8. X'eibrcode'

Destination
CMQM, Console and Terminal End User

DFHMQ0424 I  applid Invalid key entered.

Explanation
An attempt is made to issue an EXEC CICS RETURN TRANSID CKBM command, but it is unsuccessful.

System action
The key is ignored.

User response
Use one of the function keys shown at the bottom of the panel.

Module:
DFHMQBAS, DFHMQPOP, DFHMQPUL, DFHMQRET

Destination
Terminal End User

DFHMQ0425 E  applid No parameter window for this function.

Explanation
An attempt is made to display a parameter window. There are no parameters for the function selected, so there is no parameter window to display.

System action
The request is ignored.

User response
None.

Module:
DFHMQRET

Destination
Terminal End User

DFHMQ0430 E  date time applid Unknown map name map-id.
EIBFN=X'eibfn' EIBRESP=eibresp
EIBRESP2=eibresp2
EIBRCODE=X'eibrcode'.

Explanation
CICS is unable to locate the map specified (for example, because the map is not defined during the installation procedure). map-name is the name of the map in question.

System action
The transaction terminates.

User response
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values, and take the appropriate action.

Module:
DFHMQPUL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. map-id
5. X'eibfn'
6. eibresp
7. eibresp2
8. X'eibrcode'

Destination
CMQM, Console and Terminal End User

DFHMQ0431 E  applid Invalid action number. Re-enter.

Explanation
The action number specified is out of the range available.

System action
The request is ignored.
User response
Specify an action number in the range displayed.

Explanation
The task number specified is out of the range requested.

System action
The request is ignored.

User response
Specify a task number in the range displayed.

Explanation
The value entered was not 1, 2, or 3.

System action
The value is rejected.

User response
Enter a value of 1, 2, or 3 on the pop-up screen.

Explanation
The shutdown option number is not a valid value.

System action
The request is ignored.

User response
Enter the name of the required queue manager or Queue sharing group on the panel.

Explanation
The queue manager name is not specified on the connection parameter panel.

System action
The connection request is rejected.

Explanation
The queue manager name is not specified on the connection parameter panel.

System action
The connection request is rejected.

User response
Specify either 1 or 2.

Explanation
The program is unable to send map map-id mapset DFHMQHx to the screen.

System action
The task is terminated.
User response
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values, and take the appropriate action.

Module:
DFHMQBAS, DFHMQPPOP, DFHMQPUL, DFHMQRET

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'eibfn'
5. eibresp
6. eibresp2
7. X'eibrcode'
8. X'eibrcode'

Destination
CMQM, Console and Terminal End User

DFHMQ0443 E  date time applid Unable to RETURN TRANSID CKRT. EIBFN=X'eibfn' EIBRESP=eibresp EIBRESP2=eibresp2 EIBRCODE=X'eibrcode'.

Explanation
An attempt to issue an EXEC CICS RETURN TRANSID CKRT command is unsuccessful.

System action
The command is ignored.

User response
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values, and take the appropriate action.

Module:
DFHMQRET

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'eibfn'

Destination
CMQM, Console and Terminal End User

DFHMQ0451 I  date time applid Nothing to reset. Reset completed.

Explanation
A reset request is made, but no values are specified to indicate what should be reset.

System action
Nothing is reset.

User response
If you want to reset anything, specify values in the required fields.

Module:
DFHMQRS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CMQM, Console and Terminal End User

DFHMQ0452 I  date time applid Invalid input. Reset rejected.

Explanation
A request is made to the reset function without using the CICS-MQ adapter control panels, but the syntax is incorrect.

System action
The request is ignored.

User response
See the Administering the CICS-MQ adapter for details the correct syntax.

Module:
DFHMQRS
XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CMQM, Console and Terminal End User

**DFHMQ0453 I**

```
<date> <time> <applid> Status of connection to <qmgr-name> is
{Connecting | Pending | Connected | Quiescing | Stopping-Force | Disconnected | Inactive | Unknown}. <number> tasks are in flight.
```

Explanation
This message is issued as the reply to the CKQC DISPLAY request, and gives the status of the connection to queue manager `<qmgr-name>` and the number of tasks that are in-flight on that connection.

System action
Processing continues.

User response
None.

Module:
DFHMQDSL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. `X'eibfn'`
5. `eibresp`
6. `eibresp2`
7. `X'eibrcode'`
8. `q-name`

**DFHMQ0455 E**

```
<date> <time> <applid> Unable to WRITEQ TS. EIBFN=0x'eibfn' EIBRESP=0xeibresp EIBRESP2=0xeibresp2 EIBRCODE=0x'eibrcode'. Queue name is <q-name>.
```

Explanation
An attempt to issue an EXEC CICS WRITEQ TS command is unsuccessful.

System action
The display function is terminated.

User response
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values, and take the appropriate action.

Module:
DFHMQDIS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. `X'eibfn'`
5. `eibresp`
6. `eibresp2`
7. `X'eibrcode'`
8. `q-name`

**DFHMQ0456 I**

```
<applid> No tasks found. Display completed.
```

Explanation
A request is made to display tasks, but there are no current tasks using WebSphere MQ services.

System action
Processing continues.
DFHMQDIS

Destination
Terminal End User

DFHMQ0457 I applid No CKTI found. Display rejected.

Explanation
A request is made to display CKTI, but there are no instances of CKTI started.

System action
Processing continues.

User response
None.

Module:
DFHMQDIS

DFHMQ0458 E date time applid Invalid input. Display rejected.

Explanation
An attempt is made to request a display function, but not using the CICS-MQ adapter control panels. This is not supported.

System action
The request is rejected.

User response
Use the CICS-MQ adapter control panels to request the display function.

Module:
DFHMQCON, DFHMQDIS, DFHMQDSL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

DFHMQ0460 I applid Bottom of display.

Explanation
An attempt is made to scroll forward, but the bottom of the display has already been reached.

System action
Processing continues.

User response
None.

Module:
DFHMQRET

DFHMQ0461 I applid Top of display.

Explanation
An attempt is made to scroll backward, but the top of the display has already been reached.

System action
Processing continues.

User response
None.

Module:
DFHMQRET

DFHMQ0462 E date time applid Invalid input. Request rejected.

Explanation
An attempt is made to issue the internal transaction CKRT by direct terminal input, or in an otherwise invalid way.

System action
The request is rejected.
Do not use CKRT in this way.

**Module:** DFHMQRET

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid

**Destination**
CMQM and Terminal End User

**Explanation**
This message is issued prior to a CICS-MQ adapter dump if an unexpected error occurs.

**System action**
Processing continues.

**User response**
Refer to the dump.

**Module:** DFHMQTRU

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. mqcc
5. mqrc
6. X'qrpl-address'
7. X'frb-address'

**Destination**
CMQM, Console and Terminal End User

**Explanation**
This message is used as the title for a CICS-MQ adapter dump if an unexpected error occurs. frb-address is the address of the function request block.

**System action**
None.

**User response**
None.

**Module:** DFHMQCON, DFHMQDSC

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. mqcc
5. mqrc
6. X'qrpl-address'
7. X'frb-address'

**Destination**
CMQM, Console and Terminal End User

**Explanation**
For IBM internal use.

**System action**
None.

**User response**
None.

**Module:** DFHMQTRU

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. mqcc
5. mqrc
6. X'qrpl-address'
7. X'frb-address'

**Destination**
CMQM and Console

**Explanation**
For IBM internal use.

**System action**
None.

**User response**
None.
System action
None.

User response
None.

Module:

Destination
Terminal End User
DFHMQ0502  {More - + | More - | More +}

Explanation
For IBM internal use.

System action
None.

User response
None.

Module:

Destination
Terminal End User
DFHMQ0503  {Off | On | Yes | No}

Explanation
For IBM internal use.

System action
None.

User response
None.

Module:

Destination
Terminal End User
DFHMQ0504  {In Queue | Msg Wait | Purged
| Between | Running | Normal | Shutdown | Starting | Stopping}

Explanation
For IBM internal use.

System action
None.

User response
None.

Module:

Destination
Terminal End User
DFHMQ0505  {(Not specified at connect time) }

Explanation
For IBM internal use.

System action
None.

User response
None.

Module:

Destination
Terminal End User
DFHMQ0506  {Start Task Initiator | Stop Task
Initiator }

Explanation
For IBM internal use.

System action
None.

User response
None.

Module:

Destination
Terminal End User
DFHMQ0700 I  date time applid tranid trannum
CICS-MQ bridge initialization in progress.

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Explanation
Initialization of the CICS-MQ bridge is in progress.

System action
Processing continues.

User response
None.

Module:
DFHMQBR0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum

Destination
CMQM, Console and Terminal End User

DFHMQ702 I  

**Explanation**
CICS-MQ bridge monitor initialization completed successfully.

System action
Processing continues.

User response
None.

Module:
DFHMQBR0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum

Destination
CMQM, Console and Terminal End User

DFHMQ0703 I  

**Explanation**
This confirms the CICS-MQ bridge monitor start options. Although the WAIT parameter is supplied in seconds, Interval is shown in milliseconds; -1 implies WaitUnlimited.

System action
Processing continues.

User response
None.

Module:
DFHMQBR0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. interval
7. auth-option
8. q-name

Destination
CMQM, Console and Terminal End User

DFHMQ0704 E  

**Explanation**
An error occurred in a CICS call issued by the CICS-MQ bridge.

System action
See topic What actions does the CICS-MQ bridge perform in case of an error in the CICS Infocenter.
User response
The EIB fields contain information about the cause of the problem. See the EIB fields topic in the CICS Application development reference manual for an explanation of these values. If this message indicates an error returned for EXEC CICS GET CONTAINER (EIBFN=3414) then check if the user program failed to return a response container. If so then correct the user program.

Module:
DFHMQBP1, DFHMQBP2, DFHMQBR0, DFHMQBP3, DFHMQBR2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. eibresp
7. eibresp2
8. eibfn

Destination
CMQM, Console and Terminal End User

DFHMQ0705 E  date time applid tranid trannum Parameter at offset nn in input string is invalid.

Explanation
The parameter at offset nn in the start parameter string for the CICS-MQ bridge monitor is invalid. The incorrect parameter is shown in message DFHMQ0784.

System action
The task is terminated.

User response
Correct the parameter and restart the CICS-MQ bridge monitor.

Module:
DFHMQBR0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. nn

Destination
CMQM, Console and Terminal End User

DFHMQ0707 I  date time applid tranid trannum CICS-MQ bridge is not supported on non-z/OS platforms.

Explanation
The CICS-MQ bridge is being run on a platform other than z/OS. This is not supported.

System action
The CICS-MQ bridge monitor terminates abnormally.

User response
None.

Module:
DFHMQBR0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum

Destination
CMQM, Console and Terminal End User

DFHMQ0708 I  date time applid tranid trannum CICS-MQ Bridge failed to start CKBP because CICS is shutting down.

Explanation
The CICS-MQ bridge could not start CKBP because the CICS region was being shutdown.

System action
CICS shutdown continues.
**User response**
None.

**Module:**
DFHMQBR0

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. trannum

**Destination**
CMQM, Console and Terminal End User

**DFHMQ0710 E**
\[ \text{date time applid tranid trannum MQCC=\textit{mqcc} MQRC=\textit{mqrc} returned for \textit{mq-call}}. \]

**Explanation**
An error occurred in a WebSphere MQ API call issued by the CICS-MQ bridge.

**System action**
Depending upon the nature of the error, processing may continue or the task may be terminated or abnormally terminated.

**User response**
Refer to the IBM MQ messages manual for information about \textit{mqcc} and \textit{mqrc}.

**Module:**
DFHMQBP0, DFHMQBP2, DFHMQBR0, DFHMQBP3, DFHMQBR2

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. trannum
6. q-name

**Destination**
CMQM, Console and Terminal End User

**DFHMQ0711 E**
\[ \text{date time applid tranid trannum Unable to open bridge queue \textit{q-name}}. \]

**Explanation**
The CICS-MQ bridge queue specified is not known to the queue manager.

**System action**
The CICS-MQ bridge task terminates.

**User response**
Check the CICS-MQ bridge queue is defined correctly and specified on the \textit{Q=} parameter of the CICS-MQ bridge startup for CKBR.

**Module:**
DFHMQBR0

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. trannum
6. q-name

**Explanation**
Quiesce of the CICS-MQ bridge monitor been initiated. This would normally be because CICS or the queue manager is shutting down or because the operator has set the CICS-MQ bridge queue GET(DISABLED).

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHMQBR0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum

Destination
CMQM, Console and Terminal End User

DFHMQ0713 I date time applid tranid trannum
CICS-MQ bridge terminated normally.

Explanation
The CICS-MQ bridge monitor shutdown completed normally.

System action
Processing continues.

User response
None.

Module:
DFHMQBR0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum

Destination
CMQM, Console and Terminal End User

DFHMQ0714 I date time applid tranid trannum
CICS-MQ bridge task starting.

Explanation
The CICS-MQ bridge monitor is starting.

System action
Processing continues.

User response
None.

Module:
DFHMQBR0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. length

DFHMQ0715 E date time applid tranid trannum
Invalid COMMAREA length.

Explanation
The COMMAREA length calculated by the CICS-MQ bridge is not valid. It probably exceeds the maximum of 32767. This error can also occur if a negative length was calculated.

System action
The CICS-MQ bridge task terminates abnormally.

User response
If OutputDataLength is set within the MQCIH, check it does not exceed 32759 (allowing 8 bytes for the program name). If it is not set, check the total request message length (also allowing 8 bytes for the program name). The length of any MQCIH must not exceed 32767. Note that the length of the MQCIH is taken from the MQCIH length field.

Module:
DFHMQBP0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. length
Explanation
A CICS-MQ bridge task has received a message for a second or subsequent MQGET call within a multipart unit of work. The correlation identifier matches the message identifier of the first message within the unit of work, but the message does not contain an MQCIH.

System action
The unit of work is backed out.

User response
Make sure that all messages within a multipart unit of work contain an MQCIH.

Module: DFHMQBP0, DFHMQBP3

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum

Destination
CMQM, Console and Terminal End User

Explanation
A CICS-MQ bridge task has received a message for a second or subsequent MQGET call within a multipart unit of work. The correlation identifier matches the message identifier of the first message within the unit of work, but the UOWControl field within the MQCIH is invalid. It is set to MQCUOWC_FIRST or MQCUOWC_ONLY when MQCUOWC_MIDDLE, MQCUOWC_LAST, MQCUOWC_COMMIT, or MQCUOWC_BACKOUT is required.

System action
The task is terminated abnormally.

User response
Correct the UOWControl field.

Module: DFHMQBP0, DFHMQBP3, DFHMQBR0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
Invalid request link type for DFHMQBP3.

Explanation
The CICS-MQ bridge monitor has received a request message with a TransactionId that starts program DFHMQBP3 but the LinkType field in the MQCIH is not set to the MQCLT_PROGRAM value.

System action
The task is terminated abnormally.

User response
Correct the LinkType field or, if you intend your WebSphere MQ message to run a CICS 3270 transaction, correct the TransactionID.

Module:
DFHMQBP3

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum

Authentication option IDENTIFY or VERIFY_ requires a security manager to be active.

Invalid MQCIH.

Explanation
A message has been received by the CICS-MQ bridge with an MQMD format field of MQFMT_CICS but the data does not begin with a valid MQCIH. Either the StrucId, Version, or StrucLength is incorrect.

System action
The task is terminated abnormally.

User response
Check the version of the header and compare with the level supported by the CICS-MQ bridge. Correct the format or the user data as appropriate.

Module:
DFHMQBP0, DFHMQBP3, DFHMQBR0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
**DFHMQ0724 E**

*date time applid tranid trannum*  
bridge queue *q-name* is not defined as local.

**Explanation**

The CICS-MQ bridge queue specified is not defined as a local queue.

**System action**

The CICS-MQ bridge task terminates.

**User response**

Redefine the CICS-MQ bridge request queue as a local queue.

**Module:**  
DFHMQBR0

---

**XMEOUT parameters/Message inserts**

1. *date*  
2. *time*  
3. *applid*  
4. *tranid*  
5. *trannum*  
6. *q-name*

**Destination**

CMQM, Console and Terminal End User

---

**DFHMQ0725 I**

*date time applid tranid trannum*  
Messages on bridge queue *trannum* are not persistent by default.

**Explanation**

The CICS-MQ bridge queue is defined with DEFPSIST(NO). Request messages should be persistent to guarantee that they will be processed. The message is for information only.

**System action**

Processing continues.

**User response**

Change the queue definition if necessary.

**Module:**  
DFHMQBR0

---

**XMEOUT parameters/Message inserts**

1. *date*  
2. *time*  
3. *applid*  
4. *tranid*  
5. *trannum*

**Destination**

CMQM, Console and Terminal End User

---

**DFHMQ0726 I**

*date time applid tranid trannum*  
CICS-WMQ bridge message incompatible with WebSphere MQ AMS configuration - bridge terminated.

**Explanation**

WebSphere MQ Advanced Message Security is being used to protect WebSphere MQ queues being accessed via a CICS application, but the access to the queue has resulted in message DRQZS0209I reason 2063 from WebSphere MQ AMS.

**System action**

CICS-WMQ bridge is terminated.

**User response**

Investigate WebSphere MQ AMS documentation for cause of 2063 reason code.

**Module:**  
DFHMQBR0

---

**XMEOUT parameters/Message inserts**

1. *date*  
2. *time*  
3. *applid*  
4. *tranid*  
5. *trannum*

**Destination**

CMQM, Console and Terminal End User

---

**DFHMQ0727 I**

*date time applid tranid trannum*  
CICS-MQ Bridge Open failed because IBM MQ AMS could not create a security environment.
IBM MQ Advanced Message Security is being used to protect IBM MQ queues being accessed via a CICS application, but the MQOpen request has resulted in reason 2217 from IBM MQ AMS.

**System action**

CICS-WMQ bridge is not opened.

**User response**

Investigate IBM MQ AMS documentation for cause of 2217 reason code.

**Module:** DFHMQBR0

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. trannum

**Destination**

CMQM, Console and Terminal End User

**Explanation**

There is no dead-letter queue defined to the queue manager. The CICS-MQ bridge will be terminated if any error occurs that would result in a message being sent to the dead-letter queue.

**System action**

Processing continues.

**User response**

Alter the queue manager to define a dead-letter queue if dead-letter processing is required.

**Module:** DFHMQBR2

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. trannum
6. mqrc

**Destination**

CMQM, Console and Terminal End User

**Explanation**

An MQINQ call on the dead-letter queue failed. The CICS-MQ bridge will be terminated if any error occurs that would result in a message being sent to the dead-letter queue.
System action
Processing continues.

User response
Refer to the IBM MQ messages manual for information about mqcc.

Module:
DFHMQBR2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. mqrc

Destination
CMQM, Console and Terminal End User

DFHMQ0732 I  date time applid tranid trannum
Unable to put message to dead-letter queue. MQRC=mqrc.

Explanation
An MQPUT to the dead-letter queue failed.

System action
If this error occurs in a CICS-MQ bridge task, the unit of work is backed out. If this error occurs in the CICS-MQ bridge monitor, it will be abnormally terminated. The response message will be sent to the dead-letter queue.

User response
Refer to the IBM MQ messages manual for information about mqcc.

Module:
DFHMQBP2, DFHMQBR2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum

Destination
CMQM, Console and Terminal End User

DFHMQ0733 I  date time applid tranid trannum
Dead-letter queue not defined with USAGE(NORMAL).

Explanation
The dead-letter queue is not defined correctly. The CICS-MQ bridge will be terminated if any error occurs that would result in a message being sent to the dead-letter queue.

System action
Processing continues.

User response
Refer to the IBM MQ messages manual for information about mqcc.

Module:
DFHMQBR2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum

Destination
CMQM, Console and Terminal End User

DFHMQ0734 I  date time applid tranid trannum
Dead-letter queue max message length length is too small.

Explanation
The maximum message length allowed for the dead-letter queue is less than the size of the dead-letter header, MQDLH. The CICS-MQ bridge will be terminated if any error occurs that would result in a message being sent to the dead-letter queue.

System action
Processing continues.
User response
Increase the MAXMSGL of the dead-letter queue to at least the size of the MQDLH but, to be effective, make it large enough to hold the largest request message expected plus the MQDLH.

Module: DFHMQBR2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. length

Destination
CMQM, Console and Terminal End User

Explanation
The CICS-MQ bridge task received a quiescing return code from an MQOPEN call for the request queue or an MQGET call for the first message within a unit of work.

System action
The request will be processed when the CICS-MQ bridge monitor is restarted.

User response
Restart the CICS-MQ bridge monitor.

Module: DFHMQBP0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum

Destination
CMQM, Console and Terminal End User

Explanation
The CICS-MQ bridge quiesced before a CICS-MQ bridge task could get the first message within a unit of work.

System action
The request will be processed when the CICS-MQ bridge monitor is restarted.

User response
Restart the CICS-MQ bridge monitor.

Module: DFHMQBP0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum

Destination
CMQM, Console and Terminal End User

Explanation
The CICS-MQ bridge task received a quiescing return code from an MQGET for a second or subsequent message within a unit of work.

System action
The unit of work is backed out and the CICS-MQ bridge task terminated.

User response
Retry when one or both CICS and the queue manager are restarted.

Module: DFHMQBP0, DFHMQBP3
XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum

Destination
CMQM, Console and Terminal End User

DFHMQ0738 E date time applid tranid trannum
CICS-MQ bridge quiesced, task backed out.

Explanation
The CICS-MQ bridge task quiesced while a CICS-MQ bridge task was waiting to get a second or subsequent message within a unit of work because the queue was not enabled for getting messages.

System action
The unit of work is backed out and the CICS-MQ bridge task terminated.

User response
Retry when one or both CICS and the queue manager are restarted.

Module:
DFHMQBP0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum

Destination
CMQM, Console and Terminal End User

DFHMQ0740 E date time applid tranid trannum
Client application requested backout.

Explanation
An MQCUOWC_BACKOUT request was received from the client.

System action
The CICS-MQ bridge task backed out a unit of work.

User response
None.

Module:
DFHMQBP0, DFHMQBP3

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum

Destination
CMQM, Console and Terminal End User

DFHMQ0739 E date time applid tranid trannum
bridge terminated, timeout interval expired before middle or lastUOW message received.

Explanation
The CICS-MQ bridge task did not receive a second or subsequent message for a unit of work within the wait interval specified (or as overridden on the first request for the unit of work) at CICS-MQ bridge monitor startup.

System action
The CICS-MQ bridge task terminates.

User response
Perform one of the following:
- Increase the WAIT parameter on CICS-MQ bridge monitor startup.
- Correct the program that failed to send a subsequent request for a unit of work.
- Set the UOWControl field correctly for the previous request.

Module:
DFHMQBP0, DFHMQBP3
2. time
3. applid
4. tranid
5. trannum

Destination
CMQM, Console and Terminal End User

DFHMQ0745 E  date time applid tranid trannum
Unable to put message to reply queue. MQRC=mqrc.

Explanation
An MQPUT call to the reply-to queue failed.

System action
The response message will be sent to the dead-letter queue.

User response
Refer to the IBM MQ messages manual for information about mqcc.

Module:
DFHMQBP0, DFHMQBP3, DFHMQBP2, DFHMQBR0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. mqrc

Destination
CMQM, Console and Terminal End User

DFHMQ0746 E  date time applid tranid trannum
Invalid CCSID. ccсид1 expected but ccсид2 received.

Explanation
A request message was received with an invalid value for the CCSID field in the MQMD.

System action
Processing continues.

User response
Correct the MQMD and reissue the request.

Module:
DFHMQBR0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. encoding1
7. encoding2

Destination
CMQM, Console and Terminal End User

DFHMQ0747 E  date time applid tranid trannum
Invalid encoding. encoding1 expected but encoding2 received.

Explanation
A request message was received with an invalid value for the encoding field in the MQMD.

System action
Processing continues.

User response
Correct the MQMD and reissue the request.

Module:
DFHMQBR0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. encoding1
7. encoding2
**DFHMQ0748 E**

Message removed from the request queue during backout processing.

**Explanation**
The CICS-MQ bridge has sent this request message to the dead-letter queue during backout processing.

**System action**
The task is backed out.

**User response**
See the associated messages to determine the cause of the problem.

**Module:**
DFHMQBP2

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. trannum

**Destination**
CMQM, Console and Terminal End User

---

**DFHMQ0749 E**

Authentication error.

**Explanation**
The CICS-MQ bridge monitor is being run with AUTH=VERIFY_UOW or AUTH=VERIFY_ALL. Validation of the userid failed.

**System action**
The task is terminated.

**User response**
Check that the correct user ID was specified, and that the appropriate authorizations are defined for it.

**Module:**
DFHMQBP0, DFHMQBP3, DFHMQBR0

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. trannum
6. resp
7. resp2
8. user-id

**Destination**
CMQM, Console and Terminal End User

---

**DFHMQ0750 E**

CICS-MQ bridge internal error.

**Explanation**
An unexpected condition was detected by the CICS-MQ bridge.

**System action**
The CICS-MQ bridge monitor terminates abnormally.

**User response**
Contact your IBM support center if the problem persists.

**Module:**
DFHMQBR0

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. trannum
6. EIBRESP=resp
7. EIBRESP2=resp2
8. Userid=user-id

**Destination**
CMQM, Console and Terminal End User

---

**DFHMQ0751 E**

Unable to LINK to program program-name.

**Explanation**
An EXEC CICS LINK command for the user requested program failed.
System action
See topic What actions does the CICS-MQ bridge perform in case of an error in the CICS Infocenter.

User response
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values.

Module:
DFHMQBP0, DFHMQBP3

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. eibresp
7. eibresp2
8. program-name

Destination
CMQM, Console and Terminal End User

Explanation
The CICS-MQ bridge already attempted to process this request but the request failed and was backed out. This could be because backout processing failed for a CICS-MQ bridge task that ended abnormally or because there was a CICS failure while this request was in progress. No attempt is made to process the request a second time.

System action
Processing continues.

User response
Look at previous error messages for this message on the CSMT log to determine the cause for the previous failure.

Module:
DFHMQBR0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum

Destination
CMQM, Console and Terminal End User

Explanation
A CICS-MQ bridge task ended abnormally.

System action
The task is terminated.

User response
The associated transaction dump can be used to assist problem determination. If the program name begins with DFHMQB and the problem persists, contact your IBM support center.

Module:
DFHMQBP1

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. abend-code
7. program-name

Destination
CMQM, Console and Terminal End User

Explanation
The CICS-MQ bridge request queue does not have the SHARE attribute.
**System action**
The CICS-MQ bridge monitor terminates.

**User response**
Alter the queue definition and restart the CICS-MQ bridge monitor.

**Module:**
DFHMQBR0

---

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. trannum

**Destination**
CMQM, Console and Terminal End User

---

**DFHMQ0756 E**

```
date time applid tranid trannum
Dead-letter queue not defined as local.
```

**Explanation**
The dead-letter queue is not defined as a local queue. The CICS-MQ bridge will be terminated if any error occurs that would result in a message being sent to the dead-letter queue.

**System action**
Processing continues.

**User response**
Redefine the dead-letter queue as a local queue.

**Module:**
DFHMQBR2

---

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. trannum

**Destination**
CMQM, Console and Terminal End User

---

**DFHMQ0757 E**

```
date time applid tranid trannum
Unable to open reply-to queue. MQRC=mqrc.
```

**Explanation**
The reply-to queue specified is not known to the queue manager.

**System action**
The response message will be sent to the dead-letter queue.

**User response**
Refer to the IBM MQ messages manual for information about mqcc.

**Module:**
DFHMQBP0, DFHMQBP3

---

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. trannum
6. mqrc

**Destination**
CMQM, Console and Terminal End User

---

**DFHMQ0758 E**

```
date time applid tranid trannum
Unable to START bridge task. EIBRESP=eibresp
EIBRESP2=eibresp2. Userid userid is not authorized.
```

**Explanation**
The CICS-MQ bridge monitor is being run with the IDENTIFY or VERIFY authorization option. An EXEC CICS START command for the CICS-MQ bridge task failed with NOTAUTH or USERIDERR because the user ID is not authorized to start CICS-MQ bridge transactions or has been revoked.

**System action**
The task is terminated abnormally.
User response
The EIB fields contain information about the cause of the problem. See the CICS Application development reference manual for an explanation of these values. Correct the security definitions if this userid should be authorized to run requests using the CICS-MQ bridge.

Module:
DFHMQBP0, DFHMQBR0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. eibresp
7. eibresp2
8. userid

Destination
CMQM, Console and Terminal End User

DFHMQ0759 E date time applid tranid trannum
Transaction transid is not defined to CICS.

Explanation
A request has been received to run the transaction listed but it is not defined to this CICS system.

System action
See topic What actions does the CICS-MQ bridge perform in case of an error in the CICS Infocenter.

User response
Correct the request or define the transaction.

Module:
DFHMQBP0, DFHMQBR0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. transid

Destination
CMQM, Console and Terminal End User

DFHMQ0760 I date time applid tranid trannum
MsgId=msgid.

Explanation
This message gives the identifier of a message to which a previous error message relates.

System action
Processing continues.

User response
See the associated message.

Module:
DFHMQBR2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. msgid

Destination
CMQM, Console and Terminal End User

DFHMQ0761 I date time applid tranid trannum
CorrelId=CorrelId.

Explanation
This message gives the correlation identifier of a message to which a previous error message relates.

System action
Processing continues.

User response
See the associated message.

Module:
DFHMQBR2

XMEOUT parameters/Message inserts
1. date
CMQM, Console and Terminal End User

**Explanation**
This message gives the name of the queue to which a previous error message relates.

**System action**
Processing continues.

**User response**
See associated message.

**Module:**
DFHMQBR2

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. trannum
6. queue-manager-name

CMQM, Console and Terminal End User

**Explanation**
A user ID is required in all request messages when AUTH=VERIFY_ALL is being used; this must be the same for all requests within a unit of work. This message is issued because the CICS-MQ bridge task detected a missing or changed user ID.

**System action**
The CICS-MQ bridge task terminates abnormally.

**User response**
Correct the user ID.

**Module:**
DFHMQBP0, DFHMQBP3

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. trannum
6. user-id1
7. user-id2
**Explanation**

The CICS-MQ bridge queue should be defined with an index type of CORRELID. This is required if the queue is a shared queue and is recommended for private queues.

**System action**

If the CICS-MQ bridge queue is shared, the CICS-MQ bridge monitor does not start. Otherwise, processing continues.

**User response**

Alter the queue definition to specify the required index type and restart the CICS-MQ bridge monitor.

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. trannum
6. mqrc

**Destination**

CMQM, Console and Terminal End User

---

**DFHMQ0767 I**

*date time applid tranid trannum*

Unable to open backout-requeue queue. MQRC=*
mqrc.

**Explanation**

The backout-requeue queue defined to the CICS-MQ bridge queue could not be opened.

**System action**

Messages will be sent to the dead-letter queue instead.

**User response**

Refer to the IBM MQ messages manual for information about *mqcc*.

**Module:** DFHMQBR2

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. trannum
6. mqrc

**Destination**

CMQM, Console and Terminal End User

---

**DFHMQ0769 I**

*date time applid tranid trannum*

Unable to inquire on backout-requeue queue. MQRC=*
mqrc.

**Explanation**

An MQINQ call on the backout-requeue queue failed.

**Module:** DFHMQBR2
System action
Messages will be sent to the dead-letter queue instead.

User response
Refer to the IBM MQ messages manual for information about `mqcc`.

Module: DFHMQBP2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. mqrc

Destination
CMQM, Console and Terminal End User

DFHMQ0770 I date time applid tranid trannum
Backout-requeue queue not defined with USAGE(NORMAL).

Explanation
The backout-requeue queue is not defined correctly.

System action
Messages will be sent to the dead-letter queue instead.

User response
Refer to the IBM MQ messages manual for information about `mqcc`.

Module: DFHMQBP2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. mqrc

Destination
CMQM, Console and Terminal End User

DFHMQ0771 I date time applid tranid trannum
Unable to put message to backout-requeue queue. MQRC=`mqrc`.

Explanation
An MQPUT to the backout-requeue queue failed.

System action
Messages will be sent to the dead-letter queue instead.

User response
Refer to the IBM MQ messages manual for information about `mqcc`.

Module: DFHMQBP2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. mqrc

Destination
CMQM, Console and Terminal End User

DFHMQ0772 E date time applid tranid trannum
Invalid FacilityLike value `xxx` in message.

Explanation
The CICS Link3270 program DFHL3270 returned code BRIHRC_FACILITYLIKE_INVALID, because the FacilityLike field of the MQCIH header in the input message was invalid. It must correspond to an installed terminal that is to be used as a model for the CICS-MQ bridge facility.

System action
The input messages are backed out to the backout-requeue queue or dead-letter queue.
User response
Correct the FacilityLike field to specify the name of a terminal installed on the CICS system or install a terminal with the required name.

Module: DFHMQBP0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. xxx

Destination
CMQM, Console and Terminal End User

DFHMQ0773 E date time applid tranid trannum Invalid or expired Facility token in message.

Explanation
The CICS Link3270 program DFHL3270 returned code BRIHRC_INVALID_FACILITYTOKEN or BRIHRC_FACILITYTOKEN_IN_USE, because the Facility field of the MQCIH header in the input message was invalid. The value must be zero on the first request of a sequence of 3270 CICS-MQ bridge messages, and the value that is returned in the reply message must then be used in subsequent messages. The token expires after the time specified in the FacilityKeepTime field of the first message. The token cannot be used by more than one sequence of CICS-MQ bridge messages.

System action
The input messages are backed out to the backout-requeue queue or dead-letter queue.

User response
Check the application to ensure that the correct Facility token is being used and that it has not expired. If necessary, increase the FacilityKeepTime so that the token does not expire before the sequence of messages has been processed.

Module: DFHMQBP0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum

Destination
CMQM, Console and Terminal End User

DFHMQ0774 E date time applid tranid trannum Unable to start transaction on CICS system sys-name.

Explanation
The RemoteSysId field of the MQCIH message header is non-blank, but the specified name sys-name is not known to CICS or there is no active CICS connection to that remote system.

System action
The input messages are backed out to the backout-requeue queue or dead-letter queue.

User response
Ensure that the specified CICS system is running and that there is an active CICS Intersystem communication connection to it from the system running the CICS-MQ bridge monitor.

Module: DFHMQBR0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. sys-name

Destination
CMQM, Console and Terminal End User

DFHMQ0775 I date time applid tranid trannum Unable to start transaction on this CICS system.
Explanation
The RemoteSysId field of the MQCIH message header is blank, but the specified Facility token is not known to CICS.

System action
The CICS-MQ bridge monitor does not know which CICS system allocated the token and so leaves the message on the queue for another CICS-MQ bridge monitor to process. If the token is invalid or expired this may result in the message never being processed. Processing continues.

User response
Ensure that the RemoteSysId field of all messages except the first of a sequence contains the RemoteSysId returned in the previous reply message. This will ensure messages are routed directly to the correct CICS region improve performance, and prevent the possibility of unprocessed messages.

Module:
DFHMQBR0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum

Destination
CMQM, Console and Terminal End User

DFHMQ0776 E date time applid tranid trannum
Invalid FacilityKeepTime value xxx in message.

Explanation
The CICS Link3270 program DFHL3270 returned code BRIHRC_INVALID_KEEPTIME, because the FacilityKeepTime field of the MQCIH message header was zero or greater than the maximum allowed keep time (as controlled by the BRMAXKEEPTIME CICS system initialization parameter).

System action
The input messages are backed out to the backout-requeue queue or dead-letter queue.

User response
Use the CICS COBOL copybook DFHBRIHO to find the symbolic name of the return code from the numeric value code reported in the message. Refer to 'BRIH-RETURNCODE values' in the CICS documentation to determine the meaning of the return code from DFHL3270. Correct the input message accordingly.

Module:
DFHMQBP0, DFHMQBP2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. code
Explanation
A CICS abend occurred in a transaction running under the link3270 CICS-MQ bridge.

System action
The input messages are backed out to the backout-requeue queue or dead-letter queue.

User response
Determine the cause of the abend and correct the underlying problem using normal CICS diagnostic techniques.

Module:
DFHMQBP0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. abend-code
7. tran-id

Destination
CMQM, Console and Terminal End User

DFHMQ0779 E  date time applid tranid trannum
Mapset does not match. mapset-id1 expected but mapset-id2 received.

Explanation
The mapset name in a receive map vector does not match the name requested. The CICS-MQ bridge task cannot interpret the application data structure.

System action
The input messages are backed out to the backout-requeue queue or dead-letter queue.

User response
Ensure the mapset name in the input message matches the name expected by the CICS transaction and returned in the preceding receive map request vector.

Module:
DFHMQBP0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum

Chapter 2. CICS messages 1247
6. map-id1
7. map-id2

Destination
CMQM, Console and Terminal End User

**DFHMQ0781 E**  
Invalid bridge vector.

**Explanation**
The CICS-MQ bridge input vector was invalid. Possible errors are:
- The vector length is greater than the message length
- The vector type is not recognized
- A field length is greater than its defined length
- A field input data length is greater than the defined length of the field

The ErrorOffset field of the MQCIH header indicates the position within the message where the error was detected (although the actual error may have been caused by a problem earlier in the message).

**System action**
The input messages are backed out to the backout-requeue queue or dead-letter queue.

**User response**
Ensure the CICS-MQ bridge input vector is defined correctly.

**Module:**  
DFHMQBP0

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. trannum

Destination
CMQM, Console and Terminal End User

**DFHMQ0782 I**  
Msg=BOTH, PassTktA=applid.

**Explanation**
This confirms the CICS-MQ bridge monitor start options. User settings of MSG= are ignored, MSG=BOTH is always used.

**System action**
Processing continues.

**User response**
None.

**Module:**  
DFHMQBR0

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. trannum

Destination
CMQM, Console and Terminal End User

**DFHMQ0783 I**  
File DFHBRNSF is not available.

**Explanation**
The CICS Link3270 program DFHL3270 returned code BRIHRC_DHFRNSF_UNAVAILABLE, because the name space file, DFHBRNSF, was not available for use by CICS.

**System action**
The input messages are backed out to the backout-requeue queue or dead-letter queue.

**User response**
Ensure the DFHBRNSF file is defined and available to CICS. For information about defining this file, see the CICS documentation.

**Module:**  
DFHMQBP0

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. trannum
Explanation
An error was found in the CICS-MQ bridge start input parameters. parm_string shows the input parameters starting at the point where the error was detected.

**User response**
Correct the parameter in error and restart the CICS-MQ bridge monitor.

**Module:** DFHMQBR0

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. trannum
6. parm_string

**Destination**
CMQM, Console and Terminal End User

**DFHMQ0785 E**

*date time applid tranid trannum
Link3270 routing failed - not supported by CICS system.*

**Explanation**
The CICS Link3270 program DFHL3270 returned code BRIHRC_ROUTING_BACKLEVEL_CICS, because the Link3270 request was routed to a CICS system that does not support Link3270.

**System action**
The CICS-MQ bridge transaction terminates abnormally.

**User response**
Correct the CICS transaction routing definitions. The target CICS system must be CICS Transaction Server Version 2 Release 2 or higher. For information about Link3270 see the CICS documentation.

**Module:** DFHMQBP0

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. trannum

**Destination**
CMQM, Console and Terminal End User

**DFHMQ0786 E**

*date time applid tranid trannum
Link3270 routing failed - connection error.*

**Explanation**
The CICS Link3270 program DFHL3270 returned code BRIHRC_ROUTING_CONNECTION, because a connection error did not allow the Link3270 request to be routed to the remote region.

**System action**
The CICS-MQ bridge transaction terminates abnormally.

**User response**
Correct the CICS transaction routing definitions. The target CICS system must be active and connected. For information about Link3270 see the CICS documentation.

**Module:** DFHMQBP0

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. trannum
Destination
CMQM, Console and Terminal End User

DFHMQ0787 E date time applid tranid trannum
Link3270 routing failed - TERMERR.

Explanation
The CICS Link3270 program DFHL3270 returned code BRIHRC_ROUTING_TERMERR, because the EXEC CICS LINK from the DFHL3270 to the target region failed with TERMERR.

System action
The CICS-MQ bridge transaction terminates abnormally.

User response
Correct the CICS transaction routing definitions. For information about Link3270 see the CICS documentation.

Module:
DFHMQBP0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum

Destination
CMQM, Console and Terminal End User

DFHMQ0788 E date time applid tranid trannum
Link3270 routing failed - TRANDEF ERROR.

Explanation
The CICS Link3270 program DFHL3270 returned code BRIHRC_ROUTING_TRANDEF_ERROR, because the TRANSACTION resource definition in the routing region did not allow the transaction to be routed to the chosen target region.

System action
The CICS-MQ bridge transaction terminates abnormally.

User response
Correct the CICS transaction routing definitions. For information about the codes code and compcode from Link3270 see the CICS documentation.

Module:
DFHMQBP0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. code
Transaction not running.

**Explanation**
The CICS Link3270 program DFHL3270 returned code BRIHRC_TRANSACTION_NOT_RUNNING, because there was no transaction currently running on the bridge facility so the data from the WebSphere MQ message could not be passed to the transaction.

**System action**
The CICS-MQ bridge transaction terminates abnormally.

**User response**
Check the state of the CICS system. For information about Link3270 see the CICS documentation.

**Module:**
DFHMQBP0

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. trannum

Destination
CMQM, Console and Terminal End User

**DFHMQ0792 I**

**Explanation**
This confirms the CICS-MQ bridge start monitor options.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHMQBP0, DFHMQBR0

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. trannum
6. routemem

Destination
CMQM, Console and Terminal End User

**DFHMQ0791 E**

**Explanation**
The length field in the header is less than the minimum header length or greater than the actual message length.

**System action**
The task is terminated abnormally.

**Module:**
DFHMQBP0, DFHMQBR0

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. trannum
6. routemem
**Explanation**
The CICS-WebSphere MQ bridge issued a SYNCPOINT command, however a remote system was unable to commit. As a result the command was driven into rollback.

**System action**
Processing continues.

**User response**
Check for associated messages to determine if the WebSphere MQ message was reprocessed or moved to another queue. Previous messages may explain why the remote system was unable to commit.

**Module:** DFHMQBR2

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. trannum

**Destination**
CMQM, Console and Terminal End User

**Explanation**
The CICS-WebSphere MQ bridge issued a SYNCPOINT command was driven into rollback because a remote system was unable to commit. Any changes made to recoverable resources in the current unit of work are backed out.

**System action**
Processing continues.

**User response**
None.

**Module:** DFHMQBR0

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. trannum
6. mqgetcount

**Destination**
CMQM, Console and Terminal End User

**Explanation**
This confirms the CICS-MQ bridge monitor start options.

**System action**
Processing continues.

**User response**
None.

**Module:** DFHMQBR0

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. trannum

**Destination**
CMQM, Console and Terminal End User
DFHMQ0796 I  date time applid CKBR processing resumed for queue name = q-name.

Explanation
Following a temporary communication problem CKBR processing of the named bridge queue has resumed.

System action
None.

User response
None.

Module: DFHMQBR0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. q-name

Destination
CMQM, Console and Terminal End User

DFHMQ0999 I  date time applid tranid trannum

Explanation
This message displays the name of the function being traced.

System action
Processing continues.

User response
None.

Module: DFHMQBR0

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. trannum
6. trfunc

Destination
CMQM, Console and Terminal End User

DFHMQ2064 I  date time applid

Explanation
Resynchronization outstanding for queue manager qmgr1 after CICS-MQ group attach has connected to queue manager qmgr2.

System action
CICS indicates that resynchronization is outstanding for queue manager qmgr1 after CICS-MQ group attach has connected to queue manager qmgr2.

User response
The MQCONN definition either has RESYNCMEMBER(NO) specified, or

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RESYNCMEMBER(YES) is specified but CICS detected that all the UOWs outstanding are shunted indoubt meaning that resynchronization with WebSphere MQ cannot take place immediately. Both these situations allow group attach to proceed, and the result is CICS has connected to a different WebSphere MQ queue manager than previously. The user must manually reconnect to the original WebSphere MQ queue manager, which automatically resynchronizes the outstanding (non shunted) units of work. Shunted units of work wait to be unshunted at which point resynchronization takes place if CICS is connected to the original WebSphere MQ queue manager.

Module: 
DFHMQCON

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. qmgr1
5. qmgr2

Destination
CMQM and Console

DFHMQ2065  date time applid
Resynchronization outstanding for queue manager qmgr after CICS-MQ group attach has connected to queue-sharing group qsg.

Explanation
CICS indicates that resynchronization is outstanding for queue manager qmgr after CICS-MQ group attach has connected to queue-sharing group qsg.

System action
The CICS is connected to WebSphere MQ queue-sharing group qsg but UOWs remain outstanding for WebSphere MQ queue manager qmgr.

User response
The MQCONN definition has RESYNCMEMBER(GROUPRESYNC) specified but previously specified RESYNCMEMBER(NO) or RESYNCMEMBER(YES) and CICS has outstanding UOWs for that previous connection.

To resolve the outstanding UOWs, disconnect CICS from WebSphere MQ, change the setting of RESYNCMEMBER to YES or NO and change the MQNAME to specify qmgr. Now connect CICS to WebSphere MQ and the outstanding UOWs will be resolved. Having done this you can now revert to the previous settings for RESYNCMEMBER and MQNAME.

To avoid this problem in future, do not change the setting of RESYNCMEMBER whilst there are indoubts outstanding in WebSphere MQ.

Note: Shunted UOWs are not affected. These cannot be resolved until resolution is received by CICS. They wait to be unshunted at which point resynchronization takes place if CICS is connected to the original WebSphere MQ queue manager.

Module: 
DFHMQCON

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. qmgr
5. qsg

Destination
CMQM and Console

DFHMQ2066  date time applid
Resynchronization outstanding for queue-sharing group qsg after CICS-MQ group attach has connected to queue manager qmgr.

Explanation
CICS indicates that resynchronization is outstanding for queue-sharing group qsg after CICS has connected to queue manager qmgr.

System action
The CICS is connected to WebSphere MQ queue manager qmgr but UOWs remain outstanding for WebSphere MQ queue-sharing group qsg.

User response
The MQCONN definition either has RESYNCMEMBER(NO) or RESYNCMEMBER(YES) specified but previously specified RESYNCMEMBER(GROUPRESYNC) and CICS has outstanding UOWs for that previous connection.

To resolve the outstanding UOWs, disconnect CICS from WebSphere MQ, change the setting of
RESYNCMEMBER to GROUPRESYNC and change the MQNAME to specify qsg. Now connect CICS to WebSphere MQ and the outstanding UOWs will be resolved. Having done this you can now revert to the previous settings of RESYNCMEMBER and MQNAME.

To avoid this problem in future, do not change the setting of RESYNCMEMBER whilst there are indoubts outstanding in WebSphere MQ.

Note: Shunted UOWs are not affected. These cannot be resolved until resolution is received by CICS. They wait to be unshunted at which point resynchronization takes place if CICS is connected to the original WebSphere MQ queue manager.

Module: DFHMQCON

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. qsg
5. qmgr

Destination
CMQM and Console

DFHMQ2100 date time applid Program DFHMQRP cannot be found.

Explanation
CICS cannot link to the CICS-MQ restart program (DFHMQRP).

CICS cannot find DFHMQRP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System action
CICS initialization terminates with message DFHSI1521 and a dump is taken.

User response
To correct this error, place DFHMQRP in a partitioned data set in the DFHRPL DD statement.

Module: DFHMQIN

XMEOUT parameters/Message inserts
1. applid

Destination
CMQM

DFHMQ2102 date time applid terminal userid
transid MQCONN mqconn-name has been replaced.

Explanation
This is an audit log message indicating that MQCONN mqconn-name has been added to the CICS system using the INSTALL command or EXEC CICS CREATE. Where:

- terminal is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- userid is the user identifier of the user associated with the transaction issuing the message.
- tranid is the transaction issuing the message.

There can be only one MQCONN installed in the CICS system at a time.

System action
The system continues normally.

User response
None.

Module: DFHMQTM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. mqconn-name

Destination
CMQM
Explanation
This is an audit log message indicating that MQCONN *mqconn-name* has been replaced using the INSTALL command or EXEC CICS CREATE. Where:

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

System action
The system continues normally.

User response
None.

Module: DFHMQTM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. mqconn-name

Destination
CMQM

| DFHMQ2103 | *date* *time* *applid* *userid* *tranid* MQCONN *mqconn-name* has been deleted. |

Explanation
This is an audit log message indicating that MQMON *mqmon-name* has been added to the CICS system using the INSTALL command or EXEC CICS CREATE of an MQCONN. If an MQCONN definition includes an initqname then an MQMON is implicitly installed. Where:

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

System action
The system continues normally.

User response
None.

Module: DFHMQTM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. mqmon-name

Destination
CMQM

DFHMQ2107 | *date* *time* *applid* *userid* *tranid* MQMON *mqmon-name* has been added. |

Explanation
This is an audit log message indicating that MQMON *mqmon-name* has been added to the CICS system using the INSTALL command or EXEC CICS CREATE of an MQCONN. If an MQCONN definition includes an initqname then an MQMON is implicitly installed. Where:

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

System action
The system continues normally.

User response
None.

Module: DFHMQTM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. mqmon-name

Destination
CMQM

| DFHMQ2103 | *date* *time* *applid* *userid* *tranid* MQCONN *mqconn-name* has been deleted. |

Explanation
This is an audit log message indicating that MQCONN *mqconn-name* has been replaced using the INSTALL command or EXEC CICS CREATE. Where:

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

System action
The system continues normally.

User response
None.

Module: DFHMQTM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. mqconn-name

Destination
CMQM

| DFHMQ2107 | *date* *time* *applid* *userid* *tranid* MQMON *mqmon-name* has been added. |
**User response**

None.

**Module:**
DFHMQTM

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. mqmon-name

**Destination**
CMQM

**Explanation**

This is an audit log message indicating that MQMON mqmon-name has been replaced using the INSTALL command or EXEC CICS CREATE of an MQCONN. If an MQCONN definition includes an initqname then an MQMON is implicitly installed. Where:

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

**System action**

The system continues normally.

**User response**

None.

**Module:**
DFHMQTM

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. mqmon-name

**Destination**
CMQM

**Explanation**

This is an audit log message indicating that MQMON mqmon-name has been deleted from the CICS system using the DISCARD command for an MQCONN. When an MQCONN is discarded, any implicitly installed MQMONs are also discarded. Where:

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

**System action**

The system continues normally.

**User response**

None.

**Module:**
DFHMQTM

**XMEOUT parameters/Message inserts**

1. date
2. time
### DFHMS0101 INCORRECT NUMBER OF RUNTIME PARAMETERS SUPPLIED.

**Explanation**
The Scanner was called with an incorrect number of parameters.

**System action**
None.

**User response**
Refer to the documentation for correct usage of the Scanner.

**Module:** DFHEISUP

**Destination**
SYSPRINT

### DFHMS0102 PRIMARY PARAMETER WAS NOT RECOGNIZED.

**Explanation**
The Scanner failed to recognize the first parameter passed.

**System action**
None.

**User response**
Refer to the documentation for correct usage of the Scanner.

**Module:** DFHEISUP

**Destination**
SYSPRINT

### DFHMS0103 SECONDARY PARAMETER WAS NOT RECOGNIZED.

**Explanation**
The Scanner failed to recognize the second parameter passed.

**System action**
None.

**User response**
You may need further assistance from IBM to resolve this problem.

**Module:** DFHEISUP

**Destination**
SYSPRINT

### DFHMS0104 UNABLE TO OPEN INPUT FILE LIST FILELIST.

**Explanation**
The Scanner has been asked to scan the list of modules in dataset FILELIST but that dataset could not be opened.

**System action**
None.

**User response**
Check the definition of DD DFHLIST in the calling JCL.

**Module:** DFHEISUP

**Destination**
SYSPRINT

### DFHMS0105 CONVERT OF DD TO FULLY QUALIFIED DSNAME FAILED.

**Explanation**
The Scanner needs to convert a name given on a DD back to its Fully Qualified Name in order to access members. This conversion process failed.

**System action**
None.

**User response**
You may need further assistance from IBM to resolve this problem.

**Module:** DFHEISUP

**Destination**
SYSPRINT
Module: DFHEISUP

Destination SYSPRINT

**DFHMS0106 S** FAILED TO OPEN PDS DURING DD CONVERT.

**Explanation**
The Scanner encountered an error whilst attempting to open the PDS PDS to retrieve its Fully Qualified Name.

**System action**
None.

**User response**
Refer to the documentation for correct usage of the Scanner.

Module: DFHEISUP

Destination SYSPRINT

**DFHMS0107 S** PDS, MALLOC FAILED FOR N BYTES.

**Explanation**
During PDS processing, there was not sufficient memory remaining to allocate N bytes.

**System action**
None.

**User response**
Increase the size of the region allocated to the Scanner at runtime.

Module: DFHEISUP

Destination SYSPRINT

**DFHMS0108 S** PDS, FAILED TO OPEN PDS: PDS.

**Explanation**
The Scanner was asked to deal with PDS PDS, but was unable to open the PDS for access.

**System action**
None.

**User response**
Check the accessibility of datasets specified in the JCL.

Module: DFHEISUP

Destination SYSPRINT

**DFHMS0109 S** PDS, FAILED TO READ PDS.

**Explanation**
The Scanner was asked to deal with a PDS, but was unable to retrieve data from the PDS.

**System action**
None.

**User response**
Ensure the Scanner has access to datasets specified in the JCL.

Module: DFHEISUP

Destination SYSPRINT

**DFHMS0110 S** UNABLE TO OPEN THE FILTER INPUT DATASET: FILTER.

**Explanation**
The Scanner was instructed to use dataset FILTER as its filter input table, but was unable to open the dataset for processing.

**System action**
None.
User response
Ensure the Scanner has access to DD DFHFLTR specified in the JCL.

Module:
DFHEISUP

Destination
SYSPRINT

DFHMS0111 S  FILTER VALIDATION HAS WARNINGS ABOUT FILTERLINE. THE FOLLOWING WARNINGS APPLY: WARNINGS.

Explanation
The Scanner found problems during validation of the specified filter. The filter line FILTERLINE was found to have the following warnings. WARNINGS

System action
None.

User response
Correct the errors in the offending filter lines, and rerun the Scanner. Refer to the documentation for assistance with specifying filters.

Module:
DFHEISUP

Destination
SYSPRINT

DFHMS0112 S  FILTER VALIDATION HAS FAILED TO VALIDATE FILTERLINE. THE FOLLOWING PROBLEMS WERE FOUND: PROBLEMS.

Explanation
The Scanner found problems during validation of the specified filter. The filter line FILTERLINE was found to have the following problems. PROBLEMS

System action
None.

User response
You may need further assistance from IBM to resolve this problem.

Module:
DFHEISUP

Destination
SYSPRINT

DFHMS0113 S  UNEXPECTED VERB VERB WITH NO PARAMETERS FOUND.

Explanation
The Scanner has encountered an internal error with Verb VERB.

System action
None.

User response
Increase the region size for the Scanner job, or decrease the number of modules to be scanned.

Module:
DFHEISUP

Destination
SYSPRINT

DFHMS0114 S  INSUFFICIENT STORAGE SCANNING MODULE, NUMBER SCANNED.

Explanation
The Scanner was unable to allocate sufficient storage to complete the scan and stopped whilst scanning MODULE.

System action
None.

User response
You may need further assistance from IBM to resolve this problem.
**DFHNCn000 messages**

**DFHNC0101I**  
**Named counter server initialization is in progress.**

**Explanation**  
The named counter sequence number server program has started execution.

**System action**  
Initialization continues.

**User response**  
None.

**Module:**  
DFHNCMN

**Destination**  
Console and SYSPRINT

**DFHNC0102I**  
**Named counter server for pool poolname is now active.**

**Explanation**  
The named counter sequence number server for the named pool has completed initialization and is now ready to accept connections.

**System action**  
The server waits for connection requests or operator commands.

**User response**  
None.

**Module:**  
DFHNCMN

**Destination**  
Console and SYSPRINT

**DFHNC0103I**  
**Named counter server initialization failed because the POOLNAME parameter was not specified.**

**Explanation**  
The named counter sequence number server program needs to know the name of the associated named counter pool in order to complete initialization, but no pool name was specified in the SYSIN or PARM field parameters.

**System action**  
The server is terminated.

**User response**  
Ensure that the parameter POOLNAME= name is specified either in the SYSIN parameters or in the PARM field of the JCL for the server.

**Module:**  
DFHNCMN

**Destination**  
Console and SYSPRINT

**DFHNC0104I**  
**Named counter server initialization failed because program DFHNCMN is not APF authorized.**

**Explanation**  
The named counter sequence number server main program DFHNCMN cannot complete initialization because it is not running with APF authorization.

**System action**  
The server is terminated.

**User response**  
Ensure that the named counter sequence number server program DFHNCMN is loaded from an APF authorized library and has been link-edited with the option AC(1).

**Module:**  
DFHNCMN

**Destination**  
Console and SYSPRINT

**DFHNC0105I**  
**Named counter server initialization failed because program DFHNCMN is not licensed for use.**

**Explanation**  
The named counter sequence number server program needs to be licensed for use by the server.

**System action**  
The server is terminated.

**User response**  
Ensure that the named counter sequence number server program DFHNCMN is loaded from a licensed library and has been link-edited with the option AC(1).

**Module:**  
DFHNCMN

**Destination**  
Console and SYSPRINT

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Explanation
The named counter sequence number server main program DFHNCMN cannot complete initialization because the validate license check failed.

System action
The server is terminated.

User response
Ensure that the named counter sequence number server program DFHNCMN is licensed for use by adding the required licensing dataset to the STEPLIB DD statement.

Module: DFHNCVL

Destination
Console and SYSPRINT

DFHNC0111I Named counter server for pool poolname is terminating.

Explanation
The named counter sequence number server has started termination processing, so no further requests will be processed.

System action
Termination continues.

User response
None.

Module: DFHNCMN

Destination
Console and SYSPRINT

DFHNC0113 Named counter server completion code is cmpcode, reason code rsncode.

Explanation
The named counter sequence number server has terminated after intercepting an abnormal termination (ABEND) request. If the completion code is a system completion code, it is shown as three hexadecimal digits, otherwise it is shown as four decimal digits for a user completion code. Any associated reason code is shown as a four byte hexadecimal value, which will be zero if no reason code was provided.

System action
The named counter sequence number server program returns control (via the AXM termination routines) to MVS for job step termination.

User response
None.

Module: DFHNCMN

Destination
Console and SYSPRINT

DFHNC0121I Automatic restart support is not available because &SYSCLONE may not be unique within the sysplex.
Explanation
The server attempted to generate a default ARM element identifier to use for automatic restart registration, using the one or two character &SYSCLONE value to identify the MVS system. Normally, MVS verifies during start-up that &SYSCLONE is unique within the sysplex. However, the server is running on a level of MVS where this check is optional and has not been performed, so the server is unable to generate a unique element identifier.

System action
The server is terminated.

User response
Servers should not normally be run on a level of MVS which does not enforce unique &SYSCLONE values. However, the problem can be bypassed by specifying an ARM element name explicitly on the server ARMELEMENT parameter.

Module: DFHNCRS

Destination
Console and SYSPRINT

Explanation
A request to the MVS automatic restart manager (ARM) gave an unexpected return code. The return code and reason code are shown in hexadecimal notation.

System action
The server is terminated.

User response
See the IXCARM macro in z/OS MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code.

Module: DFHNCRS

Destination
Console and SYSPRINT

Explanation
Automatic restart support is not available. The MVS automatic restart manager (ARM) gave a return code and reason code which indicates that ARM services are not available, but the reason could possibly be intentional or unavoidable, so the server is being allowed to continue execution without automatic restart support. The return code and reason code are shown in hexadecimal notation.

System action
The server continues initialisation without automatic restart support.

User response
See the IXCARM macro in z/OS MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code.

Module: DFHNCRS

Destination
Console and SYSPRINT

Explanation
The named counter sequence number server parameter processing routine is interpreting the specified parameter string. The first word gives the type of parameter (SYSIN/ Parm/SET/DISPLAY/PRINT) and the rest is the specified parameters optionally followed by descriptive comment text after one or more spaces. If the parameters start with an asterisk or a space, the whole line is taken as descriptive comments.

System action
Any specified parameters will be processed.

User response
None.

Module: DFHNCPR
**Destination**

Console and SYSPRINT

**DFHNC0202 Unknown parameter keyword:**

**Explanation**

This parameter keyword did not match any of the defined parameter keywords for the named counter sequence number server.

**System action**

Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**

Correct the parameter keyword (or remove the incorrect parameter) and reenter the command or restart the server.

**Module:**

DFHNCPR

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**DFHNC0203 Value value for parameter keyword is incorrect. It must be a name of up to maxlength characters.**

**Explanation**

The value of this named counter sequence number server parameter should have been specified as a name containing not more than the indicated number of characters.

**System action**

Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**

Correct the parameter value and reenter the command or restart the server.

**Module:**

DFHNCPR

---

**DFHNC0204 Value value for parameter keyword is incorrect. It must be a decimal number.**

**Explanation**

The value of this named counter sequence number server parameter should have been specified as a decimal number but was not in a valid format. (Numeric parameters can optionally be followed by the letter K, M, G or T to denote the appropriate powers of 1024).

**System action**

Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**

Correct the parameter value and reenter the command or restart the server.

**Module:**

DFHNCPR

---

**DFHNC0205 Value value for parameter keyword is greater than the maximum allowed value maximum.**

**Explanation**

The value of this named counter sequence number server parameter exceeded the maximum allowed value, given in the message. This message also occurs if the numeric part of a decimal value exceeds the maximum unsigned 32-bit integer (4294967295) even if a larger value is allowed to be specified by using a suffix “K”, “M”, “G” or “T”.

**System action**

Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is
terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**

Correct the parameter value and reenter the command or restart the server.

**Module:** DFHNCPR

**Destination**

Console and SYSPRINT

**DFHNC0206** Value `value` for parameter `keyword` is less than the minimum allowed value `minimum`.

**Explanation**

The value of this named counter sequence number server parameter was less than the minimum allowed value, given in the message.

**System action**

Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**

Correct the parameter value and reenter the command or restart the server.

**Module:** DFHNCPR

**Destination**

Console and SYSPRINT

**DFHNC0207** Parameter `keyword` is incorrect. It should be a time `hh:mm:ss` or `hh:mm` or a number of seconds.

**Explanation**

The value of this named counter sequence number server parameter did not conform to the correct syntax for a time interval.

**System action**

Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**

Correct the parameter value and reenter the command or restart the server.

**Module:** DFHNCPR

**Destination**

Console and SYSPRINT

**DFHNC0208** Parameter `keyword` is not supported for `command`.

**Explanation**

A named counter sequence number server parameter keyword was specified in a context where it is not valid, such as an attempt to `SET` a parameter which can only be specified at initialization time, or to specify at initialization time a parameter which is only valid on `DISPLAY`.

**System action**

Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**

If the error occurred at initialization, remove the incorrect parameter and restart the server. If it occurred on a server command, check that the command and parameter were correctly entered.

**Module:** DFHNCPR

**Destination**

Console and SYSPRINT

**DFHNC0209** Parameter text contains invalid character: `text`
**Explanation**
The named counter sequence number server parameter processing routine found some unexpected text when attempting to process parameters.

**System action**
Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**
Correct the parameters (or remove the incorrect parameter) and reenter the command or restart the server.

**Module:** DFHNCPR

**Destination**
Console and SYSPRINT

**DFHNC0210** Parameter keyword *keyword* should not have a value for command.

**Explanation**
A named counter sequence number server parameter keyword was specified in the form *keyword=value* in a context where it was not expected, for example on a DISPLAY command.

**System action**
Processing of the current line of parameters is terminated.

**User response**
Reenter the command without specifying a value for the parameter to be displayed.

**Module:** DFHNCPR

**Destination**
Console and SYSPRINT

**DFHNC0212** Value *value* for parameter *keyword* is incorrect. It must be one of *validlist*.

**Explanation**
The value of this named counter sequence number server parameter was not recognized. It should have been specified as one of the indicated list of values.

**System action**
Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**
Correct the parameter value and reenter the command or restart the server.

**Module:** DFHNCPR

**Destination**
Console and SYSPRINT

**DFHNC0213** Value for parameter *keyword* is missing. The correct form is *keyword=value*.

**Explanation**
A parameter keyword was specified without an associated parameter value on a named counter
sequence number server SET command or in a SYSIN or PARM parameter string. Note that the only character which should appear between the parameter keyword and its intended value is the equals sign, without any extra spaces.

**System action**
Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**
Reenter the parameter specification in the correct form keyword=value.

**Module:** DFHNCPR

**Destination**
Console and SYSPRINT

DFHNC0301I  Console operator consname issued command: command

**Explanation**
A named counter sequence number server operator command has been issued via the MVS MODIFY or STOP command. This message identifies the console name (or TSO userid) from which the command was issued and the text of the command.

**System action**
Processing continues.

**User response**
None.

**Module:** DFHNCOP

**Destination**
Console and SYSPRINT

DFHNC0303I  command command has been processed.

**Explanation**
A named counter sequence number server command was issued which had no valid parameters on it but was otherwise syntactically valid. The command has had no effect.

**System action**
Processing continues normally.

**User response**
Ensure that the command was entered correctly.

**Module:** DFHNCOP

**Destination**
Console and SYSPRINT

DFHNC0304I  STOP command is waiting for connections to be closed. Number of active connections = connections.

**Explanation**
A named counter sequence number server STOP command has been issued (either via an MVS STOP command or via an MVS MODIFY command with the text STOP) but there are still active connections to the server, so the STOP command has not yet taken effect.
**System action**

The server rejects any further attempts to establish new connections, but continues processing requests for existing connections. Each time a connection is terminated, this message will be repeated as long as there are more active connections.

**User response**

Further information about the connections which are still active may be obtained using the command `DISPLAY CONNECTIONS`.

If the server needs to be shut down without waiting for connections to be closed, issue the server `CANCEL` command. Note that this will immediately terminate any active connections, causing any further requests for that server to be given a SYSIDERR indication. (The MVS `CANCEL` command can also be used, but should preferably be avoided because it will prevent the server from producing its normal closedown statistics and reports).

Note that if a CICS region is abnormally terminated while server connect or disconnect processing is in progress, or is terminated without going through end of task processing (for example using the `FORCE` command) there is a slight chance that the server will not be notified that the connection has been terminated. In this case the server will not be able to be closed down with the server `STOP` command, but only with the server `CANCEL` command.

**Module:** DFHNCOP

**Destination**

Console and SYSPRINT

**DFHNC0306** Named counter server does not support this command: *command*

**Explanation**

An operator command was addressed to the named counter sequence number server using the MVS `MODIFY` command, but the first word of the `MODIFY` parameter text is not a recognized server command (SET, DISPLAY, PRINT, STOP, CANCEL or an accepted abbreviation for one of these).

**System action**

The command is ignored.

**User response**

Correct and reenter the command.

**Module:** DFHNCOP

**Destination**

Console and SYSPRINT

**DFHNC0307I** CANCEL *parm* command has been processed. Number of active connections = *connections*.

**Explanation**

A named counter sequence number server `CANCEL` command has been issued, either from an operator console or internally by the server in response to a severe error such as coupling facility failure. This message includes any restart parameter specified on the command and the number of active connections which may be affected by this command.

**System action**

The server terminates immediately, without waiting to close connections.

**User response**

None.

**Module:** DFHNCOP
Named counter server does not support CICS commands. To close it down, you can use the STOP command.

An operator command which appears to be a CICS command (a four-character transaction code of the form 'CExx') was addressed to the named counter sequence number server using the MVS MODIFY command.

The command is ignored.

Correct and reenter the command. If the intention is to close down the server, use the server STOP or CANCEL command.

Correct and reenter the command.

A named counter sequence number server CANCEL command was issued with a parameter which did not match the valid parameter keywords.

The command is ignored.

Correct and reenter the command.

A named counter sequence number server STOP command was issued with parameters, but the STOP command does not support any parameters.

The command is ignored.

Correct and reenter the command.

A named counter sequence number server CANCEL command was issued with a parameter which did not match the valid parameter keywords.

The command is ignored.

Correct and reenter the command.

A message in this form is issued for each active connection to the current server, then message DFHNC0352I is issued to show the total number of active connections.

None.

Correct and reenter the command.
Explanation
This describes the total number of active connections from CICS regions to the named counter sequence number server, in response to the server command DISPLAY CONNECTIONS or PRINT CONNECTIONS.

System action
Processing continues.

User response
None.

Module: DFHNCCN

Destination
Console and SYSPRINT

DFHNC0361I  Counter names: counter1 counter2

Explanation
This message lists one or two counter names in response to the named counter sequence number server command DISPLAY COUNTERS or PRINT COUNTERS.

System action
This message is issued as many times as is necessary to list all current counter names, then message DFHNC0362I is issued to show the total number of counters.

User response
None.

Module: DFHNC01R

Destination
Console and SYSPRINT

DFHNC0362I  The total number of named counters in the pool is counters.

Explanation
This describes the total number of counters within the pool, in response to the named counter sequence number server command DISPLAY COUNTERS or PRINT COUNTERS.

System action
Processing continues.

User response
None.

Module: DFHNC0363I  Details for named counter counter:

Explanation
This message shows counter details in response to the named counter sequence number server command DISPLAY COUNTER= name or PRINT COUNTER= name.
The detailed message layout is as follows:

<table>
<thead>
<tr>
<th>Current value</th>
<th>Minimum value</th>
<th>Maximum value</th>
</tr>
</thead>
<tbody>
<tr>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
</tbody>
</table>

Options: x y

System action
Processing continues.

User response
The output shows the current counter value, the minimum counter value that can be assigned and the maximum counter that can be assigned. If the maximum value has just been assigned, the counter will be at its limit value, which is one greater than the maximum value that can be assigned.

Module: DFHNC0364

Destination
Console and SYSPRINT

DFHNC0364  No named counter was found matching counter.

Explanation
A counter name specified on the named counter sequence number server command DISPLAY COUNTER= name or PRINT COUNTER= name did not match any existing counter in the pool.
System action
The command is ignored.

User response
Ensure that the counter name was entered correctly, and that the command was addressed to the correct pool server.

Module: DFHNCRQ

Destination
Console and SYSPRINT

DFHNC0365I The number of named counters in the pool matching counter is counters.

Explanation
This indicates the number of matching named counters within the pool for which details were displayed in response to the named counter sequence number server command DISPLAY COUNTERS or PRINT COUNTERS where the counter name contained one or more wild card characters.

System action
Processing continues.

User response
None.

Module: DFHNCCF

Destination
Console and SYSPRINT

DFHNC0402I CF structure strname was allocated by this connection.

Explanation
The named counter pool list structure did not previously exist and was allocated as part of the connection process.

System action
List structure initialization will be performed if necessary.

User response
None.

Module: DFHNCCF

Destination
Console and SYSPRINT

DFHNC0403 Connection to CF structure strname failed, IXLCONN return code retcode, reason code rsncode.

Explanation
The IXLCONN macro to connect the named counter sequence number server to its pool list structure failed.

System action
The named counter sequence number server is terminated.

User response
See the documentation of the IXLCONN macro in z/OS MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code. If the reason code is of the form xxxx0C08, indicating structure allocation failure, this message will be followed by message DFHNC0409
giving the facility reason code for each coupling facility in which allocation was attempted.

**Module:**
DFHNCCF

**Destination**
Console and SYSPRINT

| DFHNC0404 | CF structure strname cannot be used because it has been allocated with attribute attribute. |

**Explanation**
The named counter sequence number server has successfully connected to its pool list structure but has found that the structure has been allocated using an IXLCONN structure attribute keyword which is not supported by the server.

**System action**
The server is terminated.

**User response**
This probably indicates that the structure has been allocated or modified by some program other than the named counter sequence number server program. In this case, the incorrect structure should be deleted (using the MVS SETXCF FORCE command) so that it will be reallocated correctly when the server is restarted.

**Module:**
DFHNCCF

**Destination**
Console and SYSPRINT

| DFHNC0406 | Initialization failed for CF structure strname with response response. |

**Explanation**
The named counter sequence number server processing to initialize the pool list structure failed with an abnormal internal response code.

**System action**
The server is terminated.

**User response**
If the response code is 6 (I/O error), it indicates that an IXLLIST macro gave an abnormal return code, in which case a previous DFHNC0441 message will have been issued giving the IXLLIST return code and reason code. If this response code is any other value, this indicates that the list structure is in a state which should not occur, probably indicating that it was allocated or modified by a program other than the named counter sequence number server. In this case the structure may need to be deleted (using the MVS SETXCF FORCE command) so that it will be reallocated when the server is restarted.

**Module:**
DFHNCCF

**Destination**
Console and SYSPRINT

| DFHNC0407 | CF structure strname is not available for shared use. |

**Explanation**
The named counter sequence number pool is currently locked for exclusive use by some other job such as a pool unload or reload job. (This serialization uses an MVS ENQ with scope SYSTEMS, major name 'SYSZDFH' and minor name equal to the structure name, 'DFHNCLS_poolname').

**System action**
The server is terminated.

**User response**
Check whether a pool maintenance job is currently running. If it is, wait until it has finished before trying to start the server again. You can find out what jobs are currently using the pool using this MVS command:

```
DISPLAY GRS,RES=(SYSZDFH,'DFHNCLS_poolname')
```

Note that for this command the pool name must be exactly eight characters, padded with trailing spaces if necessary.

**Module:**
DFHNCCF

**Destination**
Console and SYSPRINT
DFHNC0408  CF structure strname is not available for exclusive use.

Explanation
The current named counter sequence number unload or reload job requires exclusive use of the pool, but some other job is running which already has shared or exclusive use of the pool. (This serialization uses an MVS ENQ with scope SYSTEMS, major name 'SYSZDFH' and minor name equal to the structure name, 'DFHNCLS_poolname').

System action
The server is terminated.

User response
Check whether a named counter sequence number server or maintenance job is currently running. If it is, wait until it has finished before trying to run the current job again. You can find out what jobs are currently using the pool using this MVS command:

```
DISPLAY GRS,RES=(SYSZDFH,'DFHNCLS_poolname')
```

Note that for this command the pool name must be exactly eight characters, padded with trailing spaces if necessary.

Module:
DFHNCCF

Destination
Console and SYSPRINT

DFHNC0409  CF structure strname could not be allocated in facility cfname, reason code rsncode.

Explanation
If a previous named counter sequence number server message DFHNC0403 indicated an IXLYCONN failure because the structure could not be allocated, this message is issued for each coupling facility in which allocation was attempted to show the facility reason code indicating why structure allocation failed. If the reason code is known to the server, the name of the reason code is given (as defined in the MVS macro IXLYCONA, but without the 'ConaRsn' prefix), otherwise its decimal value is shown.

If the response indicates InvalidStructureSize, this means that the initial list structure size (specified on the server POOLSIZE parameter or in the CFRM policy INITSIZE parameter) is not large enough to contain the required structure control information. The size of the control information is affected by the maximum structure size specified in the CFRM policy.

System action
The server is terminated.

User response
If further details are required, see the descriptions of the reason codes in the source of the MVS macro IXLYCONA which maps the connect answer area.

If the response was InvalidStructureSize, increase the initial structure size specification in the server POOLSIZE parameter or the CFRM policy INITSIZE parameter to ensure that there is enough space for data in addition to the structure control information. Also, check that the maximum structure size specified in the CFRM policy is not unnecessarily large. See the Configuring for more information on how to estimate pool sizes.

Module:
DFHNCCF

Destination
Console and SYSPRINT

DFHNC0411I  CF structure strname now has percentage% of entries in use.

Explanation
This message is issued by the named counter sequence number server when the percentage of list entries in use within the list structure increases past certain set threshold levels, or when it decreases past a threshold level after previously being at a higher level. This message is also issued immediately after a structure alter request has completed in order to show how the percentage has been affected by changes in the structure size. The percentage is calculated using information that is returned by successful coupling facility access requests, so if the message was triggered by structure alter completion and the current server has not processed any successful requests recently, the information may not be accurate.

System action
The warning threshold is increased to the next higher level (normally 5% higher if less than 95%, otherwise 1% higher), or decreased to the previous lower level depending on whether the usage is increasing or decreasing.
Note that the structure may soon become full, preventing new counters from being created. If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS `SETXCF` command with the `START,ALTER` option, and any active servers will be able to use the increased space immediately.

**Module:** DFHNCCF

**Destination**

Console and SYSPRINT

**DFHNC0417I** Alter request completed normally for CF structure `strname`.

**Explanation**
The named counter sequence number server has been notified by the system that a structure alter request has completed normally.

**System action**
New values for the structure size and number of entries are stored. This message is followed by message `DFHNC0411` to indicate the new usage percentage.

**User response**
None.

**Module:** DFHNCCF

**Destination**

Console and SYSPRINT

**DFHNC0418I** Alter request ended abnormally for CF structure `strname` with status `status`.

**Explanation**
The named counter sequence number server has been notified by the system that a structure alter request has ended abnormally. The two bytes of status information in this message are taken from `EEPLALTERENDSTATEFLAGS` in the event exit parameter list (defined in the MVS macro `IXLYEEPL`).

**System action**
No action is taken as a result of this notification, but any problem which caused the alter request to fail may result in other related problems.

**User response**
If further information is required, look for MVS messages on the system log indicating the reason for the structure alter request failure. For further information about the status flags, see the source of the MVS macro `IXLYEEPL`.

**Module:** DFHNCCF

**Destination**

Console and SYSPRINT

**DFHNC0419I** Alter request ended normally for CF structure `strname` but target was not attained.

**Explanation**
The named counter sequence number server has been notified by the system that a structure alter request has ended normally but the target size was not attained.

**System action**
New values for the structure size and number of entries are stored. This message is followed by message `DFHNC0411` to indicate the new usage percentage.

**User response**
None.

**Module:** DFHNCCF

**Destination**

Console and SYSPRINT

**DFHNC0424** Connectivity has been lost to CF structure `strname`. The named counter server cannot continue.

**Explanation**
The named counter sequence number server has been notified by the system that connectivity has been lost to the coupling facility containing the pool list structure.
System action
The server issues an internal **CANCEL** command to terminate itself immediately.

User response
Restart the server when connectivity to the coupling facility from the current system has been reestablished. If connectivity is still available from other systems, CICS transactions which require access to the affected pool should be diverted to those systems if possible.

Module: DFHNCCF

Destination
Console and SYSPRINT

**DFHNC0425** CF structure **strname** has failed. The named counter server cannot continue.

Explanation
The named counter sequence number server has been notified by the system that the named counter pool list structure has been lost due to coupling facility structure failure. All named counters in the pool have been lost.

System action
Each server for the affected pool issues an internal **CANCEL** command to terminate itself immediately.

User response
If another coupling facility is available and is included in the CFRM preference list for the failed structure, restart the servers to cause a fresh copy of the list structure to be allocated on the alternate coupling facility. If no other coupling facility is available, wait until the original coupling facility has been made available again before restarting the servers.

Module: DFHNCCF

Destination
Console and SYSPRINT

**DFHNC0431I** Access statistics for CF structure **strname**:

### Requests: Create Get Set Delete Inquire Browse
n n n n n

### Responses: Asynch Unavail
n n

Normal Not fnd Vers chk List chk Str Full I/O err
n n n n

System action
Processing continues.

User response
The statistics are described in detail in the DFHNCS4D data area. The individual fields have the following meanings:

- **Response counts:**
  - **Asynch**
    - Number of requests for which completion was asynchronous.
  - **Unavail**
    - Number of times requests were deferred because the structure was temporarily unavailable, for example because system-managed rebuild was in progress.
  - **Normal**
    - Number of normal responses.
  - **Not fnd**
    - The specified entry (table or item) was not found.
  - **Vers chk**
    - A version check failed for an entry being updated. This occurs when a duplicate name is found while creating a new entry, or when an assign request finds the counter has reached its limit, or when a compare and swap type request (assign with increment, rewind or update) finds that the counter changed before the attempt to
set the new value, in which case the request is retried until successful.

List chk
A list authority comparison failed. This should only be possible during server initialization.

Str full
The list structure became full.

I/O err
Some other error code was returned by IXLLIST.

Module:
DFHNCCF

Destination
Console and SYSPRINT

DFHNC0432I Pool statistics for CF structure strname:

Explanation
This message gives a summary of the usage statistics for the named counter pool list structure. It is issued in response to a named counter sequence number server DISPLAY or PRINT command which includes the POOLSTATS parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows:

<table>
<thead>
<tr>
<th>Structure: Size</th>
<th>Max size</th>
</tr>
</thead>
<tbody>
<tr>
<td>nK</td>
<td>nK</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Entries: Total</th>
<th>In use</th>
<th>Max used</th>
<th>Free</th>
</tr>
</thead>
<tbody>
<tr>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Min Free</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
</tr>
</tbody>
</table>

| System action |
Processing continues.

User response
The statistics are described in detail in the DFHNCS6D data area. Pool usage statistics are calculated from information returned by recent coupling facility requests, and are not always very accurate, especially if the pool has not been accessed recently by the current server.

The individual fields have the following meanings:

- Structure:
  - Size
    - Current allocated size of the list structure.
  - Max size
    - Maximum size to which this structure could be altered.

- Entries:
  - Total
    - Total entries in the currently allocated structure (initially set at structure connection time and updated on completion of any structure alter request).
  - In Use
    - Number of entries currently in use.
  - Max Used
    - Maximum number in use (since last reset).
  - Free
    - Number of entries currently free (total minus used).
  - Min Free
    - Minimum number of free entries (since last reset).

Module:
DFHNCCF

Destination
Console and SYSPRINT

DFHNC0441 CF structure strname request failed, IXLLIST return code retcode, reason code rsncode.

Explanation
A coupling facility access request issued by the named counter sequence number server using the IXLLIST macro gave an abnormal return code.

System action
The failing request is given a return code indicating a coupling facility access error.

User response
See the documentation of the IXLLIST macro in z/OS MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code.

Module:
DFHNCCF

Destination
Console and SYSPRINT

**DFHNC0442**  CF structure *strname* request failed, structure is full.

**Explanation**
A coupling facility access request issued by the named counter sequence number server using the IXLLIST macro failed because there is no free entry to create a new named counter.

**System action**
The failing request is given a return code indicating that there is no space available in the pool. This message will not be issued for further failures until the the number of entries in use has fallen well below the warning threshold.

**User response**
Any named counters which are no longer in use should be deleted so that the space can be reused. If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS SETXCF command with the START,ALTER option, and any active servers will be able to use the increased space immediately. However, if this action is possible it should normally have been taken in response to earlier warning message before the structure became full.

**Module:**
DFHNCCF

**Destination**
Console and SYSPRINT

**DFHNC0451**  Purge for CF structure *strname* failed, IXLPURGE return code **retcode**, reason code **rsncode**.

**Explanation**
A named counter sequence number access request was terminated abnormally and the server issued an IXLPURGE macro to ensure any active IXLLIST request was purged before releasing the I/O buffer, but the IXLPURGE macro gave a non-zero return code.

**System action**
The error is ignored because this only occurs when a request is already being terminated abnormally.

**User response**
See the documentation of the IXLPURGE macro in z/OS MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code.

**Module:**
DFHNCCF

**Destination**
Console and SYSPRINT

**DFHNC0461I**  Disconnected from CF structure *strname*.

**Explanation**
The named counter sequence number server has successfully disconnected from the pool list structure (using the IXLDISC macro) during termination.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHNCCF

**Destination**
Console and SYSPRINT

**DFHNC0462**  Disconnect from CF structure *strname* failed, IXLDISC return code **retcode**, reason code **rsncode**.

**Explanation**
The IXLDISC macro to disconnect the named counter sequence number server from its pool list structure failed.

**System action**
The error is ignored, as disconnection only occurs when the server is already terminating.
User response
See the documentation of the IXLDISC macro in z/OS MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code.

Module: DFHNCCF

Destination
Console and SYSPRINT

DFHNC0481I Waiting for structure strname to become available.

Explanation
The named counter sequence number server was unable to connect to its coupling facility structure because of an environmental error, such as the structure being unavailable, as described in a previous DFHNC0403 message. The server is now waiting for this problem to be fixed, and will retry the connection request when it is notified via the ENF facility that the specific structure may now be available or that some change has occurred in the status of general coupling facility resources.

System action
The server waits to be notified of a relevant event.

User response
No action is required, but the waiting server can optionally be terminated using the MVS CANCEL command if it is no longer required.

Module: DFHNCEN

Destination
Console and SYSPRINT

DFHNC0482I Retrying connection to structure strname.

Explanation
The named counter sequence number server has been notified via ENF that its list structure may now be available or that a change has occurred in the status of some general coupling facility resources, so it is about to make another attempt to connect to the structure.

System action
The original IXLCONN request is retried.

User response
None.

Module: DFHNCEN

Destination
Console and SYSPRINT

DFHNC0491 ENFREQ ACTION=action failed, return code retcode.

Explanation
An ENF request issued by the named counter sequence number server gave an unexpected return code.

System action
If this occurs on the ENFREQ ACTION=LISTEN request and the server is subsequently unable to connect to the list structure, the server will be terminated instead of waiting for the structure to become available.

User response
See the documentation of the ENFREQ macro in z/OS MVS Programming: Authorized Assembler Services Reference (Volume 1) (GC28-1765) for the explanation of the return and reason code.

Module: DFHNCEN

Destination
Console and SYSPRINT

DFHNC0601I Starting statistics collection for interval since lasttime.

Explanation
The named counter sequence number server is about to collect interval, end of day or closedown statistics. This message identifies the start of the time interval to which the statistics apply, which is either the time that the server was started up or the time of the last reset, which occurs whenever interval or end of day statistics are produced. The format of the timestamp is yyyy-mm-dd hh:mm:ss.
System action
The server proceeds with statistics collection.

User response
None.

Module: DFHNCST

Destination
SYSPRINT

DFHNC0602I  Statistics collection completed, reset performed.

Explanation
Named counter sequence number server statistics have been collected and counters have been reset. This occurs for interval or end of day statistics.

System action
Processing continues.

User response
None.

Module: DFHNCST

Destination
SYSPRINT

DFHNC0603I  Statistics collection completed.

Explanation
Named counter sequence number server statistics have been collected but counters have not been reset. This normally occurs at server closedown.

System action
Processing continues.

User response
None.

Module: DFHNCST

Destination
Console and SYSPRINT

DFHNC0604  Timer SET failed, return code retcode, reason code rsncode.

Explanation
The statistics subtask in the named counter sequence number server tried to set up a timer wait interval but failed.

System action
The interval statistics function is terminated with message DFHNC0606.

User response
Check the return code and reason code. A return code of 4 indicates an attempt to set up more than one concurrent timer interval, which indicates a logic error in the server. The reason code in this case is the MVS STIMERM identifier for the existing timer interval. A return code of 8 indicates that the MVS STIMERM macro failed, in which case the reason code indicates the return code received from STIMERM SET.

Module: DFHNCST

Destination
Console and SYSPRINT

DFHNC0605  Timer CANCEL failed, return code retcode, reason code rsncode.

Explanation
The statistics subtask in the named counter sequence number server tried to cancel a timer wait interval but failed.

System action
The interval statistics function is terminated with message DFHNC0606.

User response
Check the return code and reason code. A return code of 4 indicates an attempt to cancel a nonexistent timer interval, which indicates a logic error in the server. A return code of 8 indicates that the MVS STIMERM macro failed, in which case the reason code indicates the return code received from STIMERM CANCEL.

Module: DFHNCST
DFHNC0606I  Statistics collection function is no longer available.

Explanation
The statistics collection subtask in the named counter sequence number server was unable to continue processing and has terminated. The reason will have been indicated by an earlier message.

System action
The interval statistics subtask terminates and no further interval statistics or end of day statistics will be produced for this run of the server.

User response
See the earlier message indicating the reason for the termination of the subtask.

Module:
DFHNCST

Destination
Console and SYSPRINT

DFHNC0610I  Statistics written to SMF, return code was retcode.

Explanation
Named counter sequence number server statistics have been sent to SMF. The return code from the SMFEWTM macro is indicated in this message. A non-zero return code usually indicates that SMF recording was suppressed because of current SMF options or an installation exit.

System action
Processing continues.

User response
If the return code is non-zero but SMF statistics were expected to be successfully written, see the documentation of the SMFEWTM macro in z/OS MVS System Management Facilities (SMF) (GC28-1783) for more information about return codes.

Module:
DFHNCST

DFHNC0701I  Named counter pool poolname is to be unloaded.

Explanation
The named counter sequence number server program has been started with the UNLOAD option requesting that the named counter pool is unloaded to a sequential data set.

System action
The server starts to process the unload request. In this case, the rest of cross-memory server initialization is bypassed as it will not be needed.

User response
None.

Module:
DFHNCUL

Destination
Console and SYSPRINT

DFHNC0702I  Named counter pool poolname has been successfully unloaded.

Explanation
The named counter pool has been unloaded successfully.

System action
The server closes down normally.

User response
None.

Module:
DFHNCUL

DFHNC0703I  Number of unloaded counters: counters. Blocks written: blocks.

Explanation
This message provides additional information about the results of the named counter pool unload process,
giving the number of named counters which were unloaded and the number of 4K data blocks written to the unloaded named counter pool data set.

**System action**
Server termination continues.

**User response**
None.

**Module:**
DFHNCUL

**Destination**
Console and SYSPRINT

**Explanation**
The data set to contain the unloaded named counter pool could not be opened.

**User response**
Check that the DFHNCUL DD statement is present in the JCL for the unload job.

**Module:**
DFHNCUL

**Destination**
Console and SYSPRINT

**DFHNC0704**
DFHNCUL data set for unload could not be opened.

**Explanation**
The named counter pool unload process failed because of a problem with coupling facility access.

**System action**
Unload processing is terminated and the server is closed down with message DFHNC0706.

**User response**
If the response code is 6, this indicates that an unexpected IXLLIST error occurred, for which a previous message DFHNC0441 will have been issued. Any other response code indicates an internal logic error.

**Module:**
DFHNCUL

**DFHNC0706**
Unload for named counter pool poolname was unsuccessful.

**Explanation**
The named counter pool unload process failed. The reason will have been described in a previous message.

**System action**
The server is terminated.

**User response**
See the previous message giving the reason for the unload failure. Note that any unload data set produced in this case will be incomplete and will not be valid for reload purposes.

**Module:**
DFHNCUL

**Destination**
Console and SYSPRINT

**DFHNC0801I**
Named counter pool poolname is to be reloaded.

**Explanation**
The named counter sequence number server program has been started with the RELOAD option requesting that the named counter pool is to be reloaded from a sequential data set produced using the UNLOAD option.

**System action**
The server starts to process the reload request. In this case, the rest of cross-memory server initialization is bypassed as it will not be needed.
**User response**
None.

**Module:** DFHNCRL

**Destination**
Console and SYSPRINT

**DFHNC0802I**
Named counter pool *poolname* has been successfully reloaded.

**Explanation**
The named counter pool has been reloaded successfully.

**System action**
The server closes down normally.

**User response**
None.

**Module:** DFHNCRL

**Destination**
Console and SYSPRINT

**DFHNC0803I**
Counters reloaded: *counters.*
Counters bypassed: *duplicates.*
Blocks read: *blocks.*

**Explanation**
This message provides additional information about the results of the named counter pool reload process. Named counters on the unloaded data set are bypassed during reload processing if they already exist in the pool (for example as a result of a previous reload which could not be completed due to lack of space).

**System action**
Server termination processing continues.

**User response**
None.

**Module:** DFHNCRL

**Destination**
Console and SYSPRINT

**DFHNC0804**
DFHNCRL data set for reload could not be opened.

**Explanation**
The data set containing the named counter pool to be reloaded could not be opened.

**System action**
Reload processing is terminated and the server is closed down with message DFHNC0808.

**User response**
Check that the DFHNCRL DD statement is present in the JCL for the reload job.

**Module:** DFHNCRL

**Destination**
Console and SYSPRINT

**DFHNC0805**
Reload access to CF structure *strname* failed with response *response*.

**Explanation**
The named counter pool reload process failed because of a problem with coupling facility access.

**System action**
Reload processing is terminated and the server is closed down with message DFHNC0808.

**User response**
If the response code is 6, this indicates that an unexpected IXLLIST error occurred, for which a previous message DFHNC0441 will have been issued. Any other response code indicates an internal logic error.

**Module:** DFHNCRL

**Destination**
Console and SYSPRINT

**DFHNC0806**
Unexpected end of file encountered on reload data set.
Explanation
End of file was encountered on the data set containing the unloaded named counter pool before the logical end of the unloaded data was encountered.

System action
Reload processing is terminated and the server is closed down with message DFHNC0808.

User response
This indicates that the unloaded data set is incomplete, perhaps because the unload process was abnormally terminated.

Module:
DFHNCRL

Destination
Console and SYSPRINT

DFHNC0807  Reload data set contains incorrect data near block block, offset offset.

Explanation
The named counter pool reload process failed because the unloaded pool data set is not in the correct format.

System action
Reload processing is terminated and the server is closed down with message DFHNC0808.

User response
Check that the correct data set is being used and that the unload process completed normally.

Module:
DFHNCRL

Destination
Console and SYSPRINT

DFHNC0808  Reload for named counter pool poolname was unsuccessful.

Explanation
The named counter pool reload process could not be completed. The reason will have been described in a previous message.

System action
The program is terminated.

User response
See the previous message giving the reason for the reload failure.

Module:
DFHNCRL

Destination
Console and SYSPRINT

DFHNC0809  Reload for CF structure strname failed, structure is full.

Explanation
Named counter pool reload processing failed because there are insufficient free entries or elements to store the new data in the structure.

System action
Reload processing is terminated and the server is closed down with message DFHNC0808.

User response
If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS SETXCF command with the START,ALTER option, and the reload job can then be run again as soon as the alter request completes, in which case it will skip over duplicate information which has already been successfully reloaded. If the structure is at its maximum size, use the MVS SETXCF FORCE command to delete the structure, then increase the SIZE and INITSIZE parameters in the current CFRM policy and activate the updated policy, and rerun the reload job. The approximate amount of information which could not be reloaded can be estimated by comparing the numbers of blocks read and named counters reloaded, as described by following message DFHNC0803, with the corresponding numbers from message DFHNC0703 in the unload job.

Module:
DFHNCRL

Destination
Console and SYSPRINT
**Explanation**

Named counter sequence number server request tracing is active and information from the NCRQ parameter list is being traced on entry to the request module DFHNCRQ.

**System action**
Processing continues.

**User response**
This message is intended primarily for diagnostic use as advised by your IBM Support Center.

**Module:**
DFHNCRQ

**Destination**
SYSPRINT

---

**Explanation**

Named counter sequence number server request tracing is active and information from the NCRQ parameter list is being traced on exit from the request module DFHNCRQ.

**System action**
Processing continues.

**User response**
This message is intended primarily for diagnostic use as advised by your IBM Support Center.

**Module:**
DFHNCRQ

**Destination**
SYSPRINT

---

**Explanation**

Named counter sequence number server request tracing is active and a parameter or result value from the NCRQ parameter list is being traced in hexadecimal and decimal notation by the request module DFHNCRQ.

**System action**
Processing continues.

**User response**
This message is intended primarily for diagnostic use as advised by your IBM Support Center.

**Module:**
DFHNCRQ

**Destination**
SYSPRINT

---

**Explanation**

Named counter sequence number server request tracing is active and an options parameter or result value from the NCRQ parameter list is being traced by the request module DFHNCRQ.

**System action**
Processing continues.

**User response**
This message is intended primarily for diagnostic use as advised by your IBM Support Center.

**Module:**
DFHNCRQ

**Destination**
SYSPRINT

---

**Explanation**

Named counter sequence number server tracing of coupling facility accesses is active and information from the request interface parameter list is being traced on entry to the coupling facility interface module DFHNCCF.

- CF interface requests:
INI
Initialize server connection
CRE
Create counter
GET
Assign and increment counter
SET
Set counter to a new value
DEL
Delete counter
KEQ
Inquire on single counter
KGE
Inquire browse

System action
Processing continues.

User response
This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Module:
DFHNCCF

Destination
SYSPRINT

DFHNC0942I  R12=prv CF IXLLIST REQUEST=request REASON=rsn

Explanation
Named counter sequence number server tracing for coupling facility accesses is active and an IXLLIST parameter or result value (key, authority value, version or adjunct area) is being traced in hex and (if relevant) character format.

System action
Processing continues.

User response
This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Module:
DFHNCCF

Destination
SYSPRINT

DFHNC0943I  R12=prv CF IXLLIST keyword=value

Explanation
Named counter sequence number server tracing for coupling facility accesses is active and an IXLLIST parameter or result value (key, authority value, version or adjunct area) is being traced in hex and (if relevant) character format.

System action
Processing continues.

User response
This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Module:
DFHNCCF

Destination
SYSPRINT

DFHNC0944I  R12=prv CF Exit response Name=counter

Explanation
Named counter sequence number server tracing for coupling facility accesses is active and information from the request interface parameter list is being traced on exit from the CF request module DFHNCCF.

• Response codes:
  OK
  Normal completion.
  LEN ERROR
  Data to be read exceeds buffer length.
  NOT FOUND
  No entry was found with the given key.
  DUPLICATE
  Add was rejected because counter name already exists.
WRONG VER
Change was rejected because version did not match.

AUTH FAIL
List authority value did not match.

I/O ERROR
IXLLIST error other than any of the above.

System action
Processing continues.

User response
This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Module:
DFHNCCF

Destination
SYSPRINT

DFHNQnnnn messages

DFHNC0999I Trace text

Explanation
This message is used by the named counter sequence number server for non-specific debugging traces in multiple modules, for use by service personnel. It should not appear in normal execution unless debugging traces were deliberately activated, or an internal logic error was encountered.

System action
Processing continues.

User response
This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Module:
various

Destination
SYSPRINT

DFHNPQ0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

User response
If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code in this manual for further guidance.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHNQDM, DFHNQED, DFHNQIB, DFHNQIQ

Message DFHME0116, which contains the symptom string for this problem, is produced.
XMEOUT parameters/Message inserts

1. applid
2. aaa/bbbb
3. X'offset'
4. modname

Destination
Console

**DFHNQ0002** applid A severe error (code X'code') has occurred in module modname.

**Explanation**
An error has been detected in module modname. The code X'code' is the exception trace point id which uniquely identifies what the error is and where the error was detected.

**System action**
An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHNQDM, DFHNQED, DFHNQIB, DFHNQNQ

XMEOUT parameters/Message inserts

1. applid

2. X'code'
3. modname

**Destination**
Console

**DFHNQ0004** applid A possible loop has been detected at offset X'offset' in module modname.

**Explanation**
A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which happened to be executing at the time when the error was detected.

**System action**
An exception entry is made in the trace table.

A system dump is taken unless you have specifically suppressed the dump (by a user exit program at the XDUREQ exit, in the dump table or by global system dump suppression). CICS processing continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that execution of module modname is terminated and CICS continues.

If you have specified ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If the runaway has occurred in module DFHNQIB, it is probably the result of a long-running UOWENQ browse. If there are many enqueues in the system (particularly if many are owned by the same task), CICS can take a long time to process the browse. This can be resolved by increasing the runaway interval associated with the task performing the browse. To do
this change the RUNAWAY attribute of the associated transaction definition.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online using the CEMT transaction.

If raising the ICVR time does not solve the problem, you may need further assistance from IBM to resolve the problem. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHNQDM, DFHNQED, DFHNQIB, DFHNQNQ

**XMEOUT parameters/Message inserts**

1. **applid**
2. *X'offset'*
3. **modname**

**Destination**

Console

**DFHNQ0101**

*DATE TIME APPLID ENQMODEL*

**Explanation**

The ENQMODEL resource *model* has been installed on the local system.

**System action**

The enqmodel is installed and CICS continues normally.

**User response**

None required.

**Module:** DFHNQRN

**XMEOUT parameters/Message inserts**

1. **DATE**
2. **TIME**
3. **APPLID**
4. **model**

**Destination**

CSMT

**DFHNQ0102**

*DATE TIME APPLID ENQMODEL*

**Explanation**

*model* has been discarded.

**System action**

The enqmodel is discarded and CICS continues normally.

**User response**

None required.

**Module:** DFHNQRN

**XMEOUT parameters/Message inserts**

1. **DATE**
2. **TIME**
3. **APPLID**
4. **model**

**Destination**

CSMT

**DFHNQ0103**

*DATE TIME APPLID*

**Explanation**

The limit for the number of concurrent sysplex resource ENQ requests has been reached. Transaction *tran* detected return code *X'code'* from MVS ENQ.

**System action**

Code *X'code'* was returned by MVS when transaction *tran* attempted to Enqueue on a sysplex-wide resource. This indicates that the limit for the number of concurrent sysplex resource ENQ requests has been reached.

**User response**

Retry the transaction one or more times. If the problem persists, consult your system programmer, who might be able to tune the system so that the limit is no longer exceeded.
XMEOUT parameters/Message inserts

1. **DATE**
2. **TIME**
3. **APPLID**
4. **tran**
5. **X'code'**

Destination

**CSMT**

**DFHNQ0104**  
*applid MVS returned code X'code' when transaction tran attempted to enqueue on a sysplex-wide resource. This indicates that an unexpected environmental error has been detected.*

**Explanation**

An EXEC ENQ has been issued on a resource for which the enqmodel is either disabled or in the waiting state.

**System action**

The ENQ request is rejected, and the issuing task abended abcode ANQE ENQ_DISABLED.

**User response**

To avoid multiple transaction abends, such transactions should be disabled before disabling the enqmodel.

Module:

**DFHNQQRN**

XMEOUT parameters/Message inserts

1. **DATE**
2. **TIME**
3. **APPLID**
4. **model**
5. **tran**

Destination

**CSMT**

**DFHNQ0106**  
*DATE TIME APPLID ENQMODEL model has been replaced.*

**Explanation**

The ENQMODEL resource model has been replaced on the local system.

**System action**

The enqmodel is replaced and CICS continues normally.

**User response**

None required.

Module:

**DFHNQQRN**

XMEOUT parameters/Message inserts

1. **DATE**
2. **TIME**
3. APPLID
4. model

**Destination**
CSMT

**Explanation**
An attempt to enable an enqmodel failed, because a less specific enqmodel is enabled. Enqmodels forming nested generic enqnames must be enabled in order, from the most to the least specific.

ENQMODEL model1 must be disabled before enabling ENQMODEL model2.

**System action**
The enqmodel is not installed, but CICS continues normally.

**User response**
Review the enqmodel definitions. If an enqmodel containing AB* is enabled, it must be disabled before enabling one with ABCD*. If enqmodels containing AB* and ABC* are installed, one must be discarded before installing an enqmodel with ABCD*.

**Module:**
DFHNQRN

**XMEOUT parameters/Message inserts**
1. DATE
2. TIME
3. APPLID
4. model1
5. model2

**Destination**
CSMT

**DFHOTnnnn messages**

**DFHOT0001** applid An abend (code aab/bb) has occurred at offset X'offset' in module modname.

**Explanation**
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code.
Alternatively:
- Unexpected data has been input,
- Storage has been overwritten, or
- There has been a program check within a user program.

The code aab is, if applicable, a 3-digit hexadecimal MVS system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The 4-digit code bbbb, which follows aab, is a user abend code produced either by CICS or by another product on the user’s system.

If X'offset' contains the value X'FFFF', then module modname was in control at the time of the abend, but the program status word (PSW) was not addressing this module.

**System action**
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.
Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.
Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Notify the system programmer.
Look up the MVS code aab, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.
If the modname insert contains the value ????, then CICS was unable to determine which module has abnormally terminated. In this case, examine the system dump to determine which area of code has caused the program check.

The user should examine other messages to determine what the module which issued this message was doing at the time the abend occurred. From these messages they can deduce which product has produced the
abend code bbbb. If bbbb is identified as a CICS code, it may be either alphameric or numeric.

- If the CICS code is alphameric (for example AKEA) then it is a CICS transaction abend code.
- If the CICS code is numeric (for example 1310), it refers to a CICS message (DFHTS1310 in our example).

If the user abend code is from another product (for example, IMS), refer to the appropriate messages and codes manual to determine the cause of the abend.

The entries in the appropriate manuals will give the user guidance regarding the nature of the error, and may also give some guidance concerning the appropriate user response.

Note:
The program check may have occurred in a user program. If this is the case, the program check is usually followed by an ASRA or an ASRB transaction abend and a transaction dump.

If you want to suppress system dumps that precede ASRA and ASRB abends, you must specify this on an entry in the dump table, using either CEMT or an EXEC CICS command. Further guidance on suppressing system dumps can be found in the Configuring.

You may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHOTxx

XMEOUT parameters/Message inserts
1. applid
2. aaa/bbbb
3. X'offset'
4. modname

Destination
Console

DFHOT0002 applid A severe error (code X'code') has occurred in module modname.

Explanation
The OT domain has received an unexpected error response from some other part of CICS. The operation requested by OT is described by code X'code'.

For further information about CICS exception trace entries, refer to the Troubleshooting and support.

System action
A system dump is taken and the system attempts to continue operation unless specifically inhibited by dump table entries.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Investigate the cause of the problem as follows:
1. Determine if the problem can be explained by any previous messages issued from some other CICS component.
2. Examine the symptom string.
3. Examine the dump.

If you cannot resolve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHOTDM, DFHOTTR, DFHOTCO, DFHOTSU

XMEOUT parameters/Message inserts
1. APPLID
2. X'code'
3. module

Destination
Console

DFHOT0004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation
A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message
DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

This may not be an error as some CICS functions can use a lot of processor time, and this message may have been caused by a long-running function.

Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR parameter, which is measured in milliseconds). This means that the module modname will be terminated and CICS will continue.

If you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway function, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. You can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you need further assistance from IBM to resolve this problem.

Module:
DFHOTRM

**XMEOUT parameters/Message inserts**
1. applid
2. X'offset'
3. modname

Destination
Console

| DFHOT0101 | APPLID A severe error has occurred. The description is 'description'. The error occurred in class classname/methodname. |

Explanation
A Java class of the OT domain has detected an unexpected error condition. The description of the error is described in description. The class and method are described in classname and methodname.

For further information about CICS exception trace entries, refer to the Troubleshooting and support.

System action
A system dump is taken and the system attempts to continue operation unless specifically inhibited by dump table entries.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Investigate the cause of the problem as follows:
1. Determine if the problem can be explained by any previous messages issued from some other CICS component.
2. Examine the symptom string.
3. Examine the dump.

If you cannot resolve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHOTDM, DFHOTTR, DFHOTCO, DFHOTSU, dfhjits.jar

**XMEOUT parameters/Message inserts**
1. APPLID
2. description
3. classname/methodname

Destination
Console

| DFHOT0102 | APPLID Task running transaction tranid could not be purged for OTS timeout. Transaction token:X'tran_token'. |

Explanation
The task with transaction token tran_id has been executing with an inflight OTS transaction for a period of time exceeding its timeout value. An attempt was made to purge the task, but this failed either because the task was protected from being purged at this time, or the transaction definition for tranid specifies SPURGE(NO).
**System action**
The task continues to execute with no further attempts to purge the task.
Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Consider making the transaction definition for *tranid* specify SPURGE(YES). See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHOTIS2

**XMEOUT parameters/Message inserts**
1. APPLID
2. tranid
3. X'tran_token'

**Destination**
Console

**Explanation**
A system exception was thrown while a GIOP request was being processed by this server. The *hostname* identifies the server.

**System action**
The system exception is returned to the client of the GIOP request.

**User response**
Investigate the cause of the problem as follows:
1. Determine if the problem can be explained by any previous messages issued from some other CICS component. Look especially for DFHEJxxx or DFHIIxxx messages.
2. If a trace is available look for OT, EJ or II exception trace points.
   Also look for II trace points 0132, 0714 and 0201. II 0132 and 0714 trace GIOP requests and replies. If a reply contains a system exception the II 0132 or 0714 is followed by an II 0201 with SYSTEM_EXCEPTION in the trace interpretation.
   If you cannot resolve the problem, you need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
dfhjits.jar

**XMEOUT parameters/Message inserts**
1. APPLID
2. hostname

**Destination**
Console

**Explanation**
The task with transaction token *tran_token* has been executing with an inflight OTS transaction for a period of time exceeding its timeout value.

**System action**
The task is purged.
Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Investigate why the transaction exceeded the OTSTimeout value specified in the transaction definition. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHOTIS2

**XMEOUT parameters/Message inserts**
1. APPLID
2. tranid
3. X'tran_token'

**Destination**
Console
DFHPAnnnn messages

DFHPA0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation
An unexpected program check or operating system abend with abend code aaa/bbbb occurred at offset X'offset' in module modname. This can be caused by corruption of CICS code or control blocks.

During initialization, CICS might not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action
An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

For further information about CICS exception trace entries, refer to the Troubleshooting and support.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHPADM

XMEOUT parameters/Message inserts
1. applid
2. X'code'
3. modname

Destination
Console

DFHPA0002 applid A severe error (code X'code') has occurred in module modname.

Explanation
An error has been detected in module modname

The code X'code' is the exception trace point id which uniquely identifies what the error is and where the error was detected.

During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action
An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

For further information about CICS exception trace entries, refer to the Troubleshooting and support.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHPADM

XMEOUT parameters/Message inserts
1. applid
2. X'code'
3. modname
A possible loop has been detected at offset X'offset' in module modname.

Explanation
A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing when the error was detected.

During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the CICS module identified in the message is terminated and CICS continues.

However, if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. However, you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHPADM, DFHPAIN

XMEOUT parameters/Message inserts
1. applid
2. X'offset'
3. modname

Destination
Console

Explanation
This message is displayed during CICS initialization to show the SIT overrides obtained from the PARM parameter of the JCL EXEC statement for the CICS job. If the parameter string parm contains 40 characters or less, it is shown on this message. Otherwise it is shown on a DFHPA1927 message following this message.

During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action
System initialization continues.

User response
None.

Module:
DFHPAIO

Destination
Console

Explanation
This is an informational message displayed during CICS initialization.
xx, if present, represents the 1- or 2-character suffix for the SIT being used.

During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System action**

System initialization continues.

**User response**

None.

**Module:**

DFHPADM

**Destination**

Console

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**DFHPA1102**

**applid OVERRIDE PARAMETERS FROM SYSIN:**

**Explanation**

This message is displayed during CICS initialization before displaying the SIT overrides obtained from the SYSIN data set. The message is followed by a series of DFHPA1927 messages that show the actual contents of the SYSIN records.

During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System action**

System initialization continues.

**User response**

None.

**Module:**

DFHPAIO

**Destination**

Console

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**DFHPA1104**

**applid SPECIFY ALTERNATIVE SIT PARAMETERS, IF ANY, AND THEN TYPE '.END'**.

**Explanation**

If the word "CONSOLE" or "CN" was detected in either the parameter input stream on the EXEC statement of the CICS JCL, or in the SYSIN data set, then this prompt message will be displayed when the parameter (PA) manager is ready to accept console overrides.

**System action**

The system initialization program waits for a response from the operator.

**User response**

Enter the required parameter changes, separated by commas. Terminate your reply by entering '.END'.

**Module:**

DFHPAIO

**Destination**

Console

---

**DFHPA1105**

**applid CONTINUE SPECIFYING SIT PARAMETERS AND THEN TYPE '.END'**.

**Explanation**

While SIT overrides are being entered on the console, this prompt message will be displayed to request more overrides if the previous line did not end with ".END".
**System action**  
The system initialization program waits for more override parameters to be entered by the operator.

**User response**  
Continue entering the required parameter changes, separated by commas. Terminate your reply by entering '.END'.

**Module:**  
DFHPAIO

**Destination**  
Console

DFHPA1106  
applid MODULE DFHSITxx COULD NOT BE LOADED. SPECIFY NEW SUFFIX, 'NONE'(UNSUFFIXED) OR 'CANCEL'.

**Explanation**  
During PA domain initialization, a SIT with a suffix of xx could not be loaded.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System action**  
The PA domain initialization routines wait for the operator to enter an alternative 1- or 2-character suffix, or YES to request the unsuffixed SIT, or CANCEL. If CANCEL is entered, CICS is abnormally terminated.

**User response**  
Determine whether the suffix is correct. If it is not, enter the correct suffix or enter 'YES' for the unsuffixed SIT, or CANCEL. If CANCEL is entered, CICS is abnormally terminated.

**Module:**  
DFHPADM

**Destination**  
Console

DFHPA1107  
applid A level VERSION OF MODULE DFHSITxx WAS LOADED. CICS CAN ONLY INITIALIZE WITH THE CURRENT LEVEL SIT.

**Explanation**  
During PA domain initialization, a SIT with a suffix of xx and a release level of level was loaded. Since this version is not compatible with current CICS code, CICS is abnormally terminated.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System action**  
CICS terminates abnormally.

**User response**  
To correct the error, reassemble the SIT at the current CICS level. Refer to the Upgrading CICS TS for z/OS for guidance on changes to the SIT that may be required for the new release. CICS should then be restarted.

Alternatively, the system may have been pointing to the wrong SIT. To correct this second case, check the bring up JCL to make sure that the ‘SIT=’ override is correct. Refer to the Configuring for guidance on coding system initialization parameters. Furthermore, check the library search order to make sure that stray SITs, which may be unknowingly present, are removed or renamed.

**Module:**  
DFHPADM

**Destination**  
Console

DFHPA1108  
applid DFHSITxx HAS BEEN LOADED. (GENERATED AT MM/DD= mm/dd HH/MM= hh/mm).

**Explanation**  
This is an informational message displayed during CICS initialization. It displays the date and time that the loaded system initialization table was generated.

- xx is the suffix of the SIT being used.
- mm/dd is the date (month and day) that the SIT was generated.
- hh/mm is the time (hours and minutes of the 24 hour clock) that the SIT was generated.

**System action**  
CICS Initialization continues.
User response
None.

Module:
DFHPADM

Destination
Console

**DFHPA1901**  applid modname COULD NOT BE FOUND OR IS IN A NON-APF LIBRARY/CONCATENATION. CICS IS TERMINATED.

Explanation
An error has occurred while attempting to load either DFHPASYL or DFHPAIO.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action
CICS terminates abnormally.

User response
Ensure that the SYSIN data set exists and is correct.

Module:
DFHPAIO

Destination
Console

**DFHPA1903**  applid ERROR WHILE READING FROM SYSIN DATA SET. CICS IS TERMINATED.

Explanation
An error has occurred while attempting to read a record from the SYSIN data set. This can occur if the SYSIN data set has been corrupted, or has been incorrectly defined (for example, has not been defined with a logical record length, LRECL, of 80).

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action
CICS terminates abnormally.

User response
Correct the problem in the SYSIN data set.

Module:
DFHPAIO

Destination
Console

**DFHPA1907**  applid DATA data IS INVALID FOR KEYWORD keyword. KEYWORD IS IGNORED.

Explanation
This message is displayed if the data specified, either for a keyword in the SIT or for a SIT override, is invalid, AND the PARMERR=IGNORE option is specified in the SIT or as an override. The message inserts are as follows:

- keyword is the keyword for which the value is in error.
• data is the invalid data.

System action
The keyword is ignored. CICS will attempt to initialize without the keyword in error.

User response
Correct the error by specifying a valid value for the keyword wherever it has been specified, either in the SIT or in the CICS input JCL, prior to restarting CICS. Refer to the Configuring for information on how to do this.

Module: DFHPAGP

Destination
Console

DFHPA1908 applid DATA data IS INVALID FOR KEYWORD keyword. CICS IS TERMINATED.

Explanation
This message is displayed if the data specified, either for a keyword in the SIT or for a SIT override, is invalid, and the PARMERR=INTERACT option is specified in the SIT or as an override. The message inserts are as follows:

• keyword is the keyword for which the value is in error.
• data is the invalid data. This value may be truncated if it is too long to be displayed.

Note:
PARMERR=INTERACT is the default action for invalid keyword data.

System action
CICS waits for the corrected keyword and data to be entered as an override on the console by the operator, and analyzes this override.

User response
Enter the corrected SIT keyword and data on the console. To enter lowercase data, start the System Command Extension function by typing a / by itself on the SDSF command line, or by adding a trailing + to a / command, then enter the override enclosing both the keyword and data in apostrophes, remembering that the keyword itself must be in uppercase. The command is still echoed in uppercase in the job log, but SDSF processes the value in mixed case.

To bypass type '.END', or supply a blank line. Alternatively enter 'CANCEL' to terminate CICS.

Module: DFHPAGP

Destination
Console

DFHPA1910 applid SIT OVERRIDE keyword IS NOT RECOGNIZED. OVERRIDE IS IGNORED. (MODULE modname).

Explanation
This message is displayed if a keyword specified in the input override parameter stream is invalid, and the
PARMERR=IGNORE option is specified in the SIT, or as an override. The insert keyword is the invalid keyword.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action
The keyword is ignored, and CICS attempts to initialize without the keyword in error.

User response
Ensure the keyword specified is correct and update CICS input JCL with the corrected keyword prior to the next initialization of CICS.

Module:
DFHPADM, DFHPAGP

Destination
Console

DFHPA1911 applid SIT OVERRIDE keyword IS NOT RECOGNIZED. CICS IS TERMINATED.

Explanation
This message is displayed if a keyword specified in the input override parameter stream is invalid, and the PARMERR=INTERACT option is specified in the SIT, or as an override. The insert keyword is the invalid keyword. Note that PARMERR=INTERACT is the default action for invalid SIT overrides.

During initialization, CICS might not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action
CICS waits for the corrected override to be entered on the console by the operator, and analyzes this override.

User response
On the console enter the corrected SIT override, bypass the override in error and all overrides that follow by typing ‘.END’, or supply a blank line to bypass only the override in error.

To enter lowercase data, start the System Command Extension function by typing a / by itself on the SDSF command line, or by adding a trailing + to a / command, then enter the override enclosing both the keyword and data in apostrophes, remembering that the keyword itself must be in uppercase. The command is still echoed in uppercase in the job log, but SDSF processes the value in mixed case.

Module:
DFHPADM

Destination
Console

DFHPA1913 applid INVALID DATA HAS BEEN DETECTED FOR SIT OVERRIDE keyword BY MODULE modname. OVERRIDE IS IGNORED.

Explanation
This message can be issued in the following situations:
• If the data supplied for a SIT override is syntactically invalid, and the PARMERR=IGNORE system initialization parameter is specified. The
insert *keyword* is the keyword for which the value is in error.

- In response to invalid data when PARMERR=INTERACT is specified but the user has been attempting to correct a previous invalid SIT keyword or value. In this case, message DFHPA1912 or DFHPA1915 follows this message to prompt for the correction to the original error.
- When PARMERR=INTERACT is specified if invalid data has been passed in PARM or SYSIN for a keyword that cannot be entered from the console (and therefore cannot be corrected by interaction with the console). This typically applies to security keywords.

During initialization, CICS may not have access to the user’s *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

**System action**
The keyword is ignored, and CICS attempts to initialize without the keyword in error.

**User response**
Ensure the value specified is correct and update CICS input JCL with the corrected keyword prior to the next initialization of CICS.

**Module:**
DFHPADM, DFHPAGP

**Destination**
Console

**DFHPA1914**  
*applid* **INVALID DATA HAS BEEN DETECTED FOR SIT OVERRIDE keyword. CICS IS TERMINATED.**

**Explanation**
This message is displayed if the data specified for a SIT override is syntactically invalid, and the PARMERR=ABEND option is specified in the SIT, or as an override.

The insert *keyword* is the keyword for which the value is in error.

During initialization, CICS may not have access to the user’s *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

**System action**
CICS terminates abnormally.

**User response**
Correct the error by specifying a valid value for the keyword in the SIT overrides, then restart CICS.

Refer to the Configuring for information on how to do this.

**Module:**
DFHPADM

**Destination**
Console

**DFHPA1915**  
*applid* **INVALID DATA HAS BEEN DETECTED FOR SIT OVERRIDE keyword. RESPECIFY THE OVERRIDE.**

**Explanation**
This message is displayed if the data specified for a SIT override is syntactically invalid or is a numeric value of 2 gigabytes or greater. It is only displayed if the PARMERR=INTERACT option is specified in the SIT, or as an override.

The insert *keyword* is the keyword for which the value is in error.

**Note:**
PARMERR=INTERACT is the default action for invalid SIT overrides.

**System action**
CICS waits for the corrected override to be entered on the console by the operator, and then analyzes this override.

**User response**
Enter the corrected SIT override on the console, or bypass by typing ‘.END’, or just supply a blank line.

To enter lowercase data, start the System Command Extension function by typing a / by itself on the SDSF command line, or by adding a trailing + to a / command, then enter the override enclosing both the keyword and data in apostrophes, remembering that the keyword itself must be in uppercase. The command is still echoed in uppercase in the job log, but SDSF processes the value in mixed case.

**Module:**
DFHPADM

**Destination**
Console
**DFHPA1916**  
*applid SIT OVERRIDE DATA data is out of range for keyword keyword. OVERRIDE IS IGNORED.*

**Explanation**

This message is displayed if the data supplied for a SIT override is out of range, and the PARMERR=IGNORE option is specified in the SIT, or as an override. The message inserts are as follows:

- **keyword** is the keyword for which the value is in error.
- **data** is the invalid data.

**System action**

The keyword is ignored. CICS will attempt to initialize without the keyword in error.

**User response**

Ensure the value specified is correct and update CICS input JCL with the corrected keyword prior to the next initialization of CICS.

**Module:**  
DFHPAGP

**Destination**  
Console

**DFHPA1918**  
*applid SIT OVERRIDE DATA data is out of range for keyword keyword. CICS IS TERMINATED.*

**Explanation**

This message is displayed if the data specified for a SIT override is out of range, and the PARMERR=ABEND option is specified in the SIT, or as an override. The message inserts are as follows:

- **keyword** is the keyword for which the value is in error.
- **data** is the invalid data.

**Note:** PARMERR=INTERACT is the default action for invalid SIT overrides.

**System action**

CICS terminates abnormally.

**User response**

Enter the corrected SIT override on the console, or bypass by typing '.END', or just supply a blank line.

To enter lowercase data, start the System Command Extension function by typing a / by itself on the SDSF command line, or by adding a trailing + to a / command, then enter the override enclosing both the keyword and data in apostrophes, remembering that the keyword itself must be in uppercase. The command is still echoed in uppercase in the job log, but SDSF processes the value in mixed case.

**Module:**  
DFHPAGP

**Destination**  
Console

**DFHPA1919I**  
*applid SPECIFIED DATA IS INCORRECT. ALL SUBSEQUENT OVERRIDES ON THIS LINE IGNORED.*

**Explanation**

To enter lowercase data, start the System Command Extension function by typing a / by itself on the SDSF command line, or by adding a trailing + to a / command, then enter the override enclosing both the keyword and data in apostrophes, remembering that the keyword itself must be in uppercase. The command is still echoed in uppercase in the job log, but SDSF processes the value in mixed case.

**Module:**  
DFHPAGP

**Destination**  
Console

**Refer to the Configuring for information on how to do this.**
**Explanation**

An invalid value for a keyword has been entered after message DFHPA1912 or DFHPA1915 has been issued. CICS has been unable to analyze the overrides following the invalid one.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System action**

CICS continues to prompt for the corrected override using either message DFHPA1912 or message DFHPA1915.

**User response**

Enter the corrected SIT override, ensuring that the data is in the valid range for that keyword.

You cannot suppress this message with the system initialization parameter MSGLVL=0.

**Module:** DFHPADM

**Destination**

Console

**DFHPA1920** applid SIT KEYWORD keyword AND ALL SUBSEQUENT OVERRIDES ON THIS LINE IGNORED.

**Explanation**

An invalid keyword has been entered in response to message DFHPA1912 or DFHPA1915. CICS has been unable to analyze the overrides following the invalid one.

The insert keyword is the invalid keyword.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System action**

CICS continues to prompt for the corrected keyword using message DFHPA1912 or message DFHPA1915.

**User response**

Enter the corrected SIT override, ensuring that the keyword is valid.

**Module:** DFHPADM

**Destination**

Console

**DFHPA1921** applid PLEASE SPECIFY THE REQUIRED SIT SUFIX, OR SPECIFY ‘NONE’(UNSUFINXED).

**Explanation**

The System Initialization Table (SIT) holds information needed for CICS to initialize. This is loaded during preinitialization. The user specifies a 1- or 2-character suffix to identify which SIT to load. To use the unsuffixed default SIT, reply with ‘SIT=NO’.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System action**

The system loads and uses the specified SIT if it can be found. Otherwise the user is prompted to enter a valid suffix.

**User response**

Type ‘SIT=xx’ in response to the message, where xx represents the SIT suffix to be used. (A suffix of ‘NO’ causes the system to load an unsuffixed SIT).

**Module:** DFHPADM

**Destination**

Console

**DFHPA1922** applid SPECIAL KEYWORD keyword HAS BEEN REPEATED AND IS IGNORED.

**Explanation**

There are 2 special keywords, each with an abbreviation. The first is SYSIN, which has the abbreviation SI. The second is CONSOLE, which has the abbreviation CN. These keywords direct CICS to read SIT overrides from the SYSIN data stream and from the console respectively.
The system has found a duplication of one of these keywords. The JCL should be amended.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System action**
System initialization continues.

**User response**
Correct the JCL by removing the second occurrence of the special keyword specified. (Refer to the CICS documentation for more information on coding CICS system initialization parameters).

You cannot suppress this message with the system initialization parameter MSGLVL=0.

**Module:**
DFHPADM

**Destination**
Console

DFHPA1924I  applid Initialization parameter parm1 exceeds parm2. Both are defaulted. (module modname).

**Explanation**
One of two situations may have occurred:

- In the first, parameter parm1 has been set as greater than parameter parm2 by override.
- In the second, parameter parm1 may have been set to a certain level in the SIT macro, but parameter parm2 has been changed by override so that it is now less than parameter parm1.

In either case, the condition is invalid, and so default values are applied to both parameters.

**System action**
Both parameters are set to their default values and system initialization continues.

**User response**
The system initialization parameters should be altered so that parm2 is greater than parm1 for the next bring up of CICS. (Refer to the Configuring for more information about system initialization parameters.)

CICS initialization continues with the default values. The user can then change the defaulted values using the CICS supplied transaction.

You cannot suppress this message with the system initialization parameter, MSGLVL=0, unless it has been issued from DFHPAGP via the message domain.

**Module:**
DFHPADM, DFHPAGP

**XMEOUT parameters/Message inserts**
1. applid
2. parm1
3. parm2
4. modname

Destination
Console

DFHPA1926  applid A MISSING DELIMITER HAS BEEN DETECTED FOR OVERRIDE keyword (MODULE modname).

Explanation
The data supplied for a SIT override keyword has not been delimited correctly.

System action
CICS terminates abnormally.

User response
Correct the specified override in the SYSIN data set by entering the opening or the closing delimiter on its data.

Restart CICS.

Refer to the Configuring for the required delimiter for keyword keyword.

Module: DFHPADM

Destination
Console

DFHPA1927  applid text

Explanation
This message is displayed during CICS initialization to show parameters that will override the system initialization parameters coded on the DFHSIT macro. If it is preceded by message DFHPA1100, text shows the contents of the PARM parameter from the JCL EXEC statement. If it is preceded by message DFHPA1102, text shows the contents of a record read from the SYSIN data set.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action
System initialization continues.

User response
None.

Module: DFHPA10

Destination
Console

DFHPA1928  applid IF XRF=YES, THE GENERIC AND SPECIFIC APPLIDS MUST BE DIFFERENT. CICS IS TERMINATED.

Explanation
In an XRF CICS system, a generic and a specific applid must be defined. They must also be unique.

This message is displayed and CICS is terminated if both these applids, which are defined as SIT overrides, are found to be identical in an XRF environment.

This message is also displayed if only the generic applid is defined.

System action
CICS terminates abnormally.

User response
Correct the error by defining both the generic and the specific applids as SIT overrides. Ensure that they are unique. Refer to the Configuring for further information on how to do this.

Module: DFHPADM

Destination
Console

DFHPA1929  applid CSDBKUP=DYNAMIC REQUIRES CSDRECOV=ALL. CSDBKUP HAS BEEN DEFAULTED TO STATIC.

Explanation
When the value DYNAMIC is specified for the CSDBKUP keyword the CSDRECOV keyword must have the value ALL. However, the override parameter stream has overridden the SIT values and this requirement has not been fulfilled.
**System action**

To enable initialization to continue, CSDBKUP is set to the default value STATIC. Because CSDBKUP is set to STATIC, the CICS CSD as defined in the input JCL, or by dynamic allocation, is not eligible for backup while open for update.

**User response**

Update CICS input JCL with the correct values for CSDBKUP and CSDRECOV keywords prior to the next initialization of CICS.

**Module:** DFHPADM

**Explanation**

When a forward recovery log value is specified for the CSDFRLOG keyword, the CSDRECOV keyword must have the value ALL. However, the override parameter stream has overridden the SIT values and this requirement has not been fulfilled.

**System action**

To enable initialization to continue, the CSDFRLOG value has been ignored. Because CSDFRLOG is ignored, the CICS CSD as defined in the input JCL, or by dynamic allocation, is not eligible for forward recovery logging.

**User response**

Update CICS input JCL with the correct values for the CSDFRLOG and CSDRECOV keywords prior to the next initialization of CICS.

**Module:** DFHPADM

**Destination**

Console

**DFHPA1930** applid CSDFRLOG=nn HAS BEEN IGNORED AS CSDRECOV=ALL HAS NOT BEEN SPECIFIED.

**Explanation**

A SIT override has been entered at the console which is deemed to be a member of the set of security system initialization parameters. Security system initialization parameters cannot be entered at the console.

During initialization, CICS might not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System action**

CICS ignores the security SIT override, and initialization continues.

**User response**

Update CICS input JCL so that security keywords are included in the SIT, SYSIN or PARM prior to the next initialization of CICS.

**Module:** DFHPADM

**Destination**

Console

**DFHPA1931** applid A PSDINT VALUE GREATER THAN ZERO WAS SPECIFIED WITH XRF=YES. PSDINT HAS BEEN RESET TO 0.

**Explanation**

A conflict of options has been detected. You have requested Persistent Session Support by specifying a nonzero value for the PSDINT system initialization parameter. This parameter is used to set the Persistent Sessions delay interval. However, you have also requested XRF support by specifying XRF=YES. Persistent Sessions Support and XRF are mutually exclusive.

**System action**

The PSDINT value defaults to 0. CICS attempts to continue with XRF support.

**User response**

Before you next initialize CICS, alter the system initialization parameters so that either PSDINT=0 or XRF=NO. See the Configuring for further information.

**Module:** DFHPADM
Destination

Console

**DFHPA1934I** apuserid START TYPE CHANGED TO type.

**Explanation**
The start type specified in the SIT has been changed to that shown in the message.

**System action**
Initialization continues with the new start type.

**User response**
None.

**Module:** DFHPAGP

Destination

Console

**DFHPA1935** apuserid keyword IS A SECURITY KEYWORD. THIS KEYWORD AND ALL SUBSEQUENT KEYWORDS ON THIS LINE ARE IGNORED.

**Explanation**
A SIT override has been entered at the console which is deemed to be a member of the set of security system initialization parameters. Security system initialization parameters cannot be entered at the console. CICS has been unable to analyze the overrides following the security keyword.

During initialization, CICS might not have access to the user’s apuserid coded in the SIT. If CICS produces this message in these circumstances, it uses the default apuserid value DBDCCICS.

**System action**
CICS ignores the security SIT override and all subsequent overrides entered on this line. Initialization continues.

**User response**
Update CICS input JCL so that security keywords are included in the SIT, SYSIN or PARM prior to the next initialization of CICS.

**Module:** DFHPADM

Destination

Console

**DFHPA1936** apuserid A VALUE WAS SPECIFIED FOR GRNAME WITH XRF=YES. GRNAME HAS BEEN RESET TO BLANKS.

**Explanation**
A conflict of options has been detected. You have requested generic resource support by specifying a value for the GRNAME system initialization parameter. This parameter is used to register CICS as a VTAM generic resource. However, you have also requested XRF support by specifying XRF=YES. Generic resource support and XRF are mutually exclusive.

**System action**
The GRNAME value is reset to blanks. CICS attempts to continue with XRF support but without generic resource support.

**User response**
Before you next initialize CICS, alter the system initialization parameters so that either GRNAME is not specified or XRF=NO. See the Configuring for further information.

**Module:** DFHPADM

Destination

Console

**DFHPA1937** apuserid GRNAME SPECIFIED WITH SPECIFIC AND GENERIC APPLIDS. THE GENERIC APPLID HAS BEEN SET EQUAL TO THE SPECIFIC.

**Explanation**
A conflict of options has been detected. You have requested generic resource support by specifying a value for the GRNAME system initialization parameter. This parameter is used to register CICS as a VTAM generic resource. However, you have also specified different values for the generic and specific applids. Generic resource support requires that only one value should be specified for the APPLID parameter.
**System action**
The generic applid is set to the value of the specific. CICS continues and attempts to register as a VTAM generic resource.

**User response**
If you intended that CICS should register as a VTAM generic resource, take no action. If you did not, remove the GRNAME parameter before you next initialize the system.

**Module:**
DFHPADM

**Destination**
Console

**Explanation**
A conflict of options has been detected. You have requested generic resource support by specifying a value for the GRNAME system initialization parameter. This parameter is used to register CICS as a VTAM generic resource. However, the value specified for GRNAME is the same as the CICS applid. VTAM requires that the generic resource name must be different from the CICS applid.

**System action**
The generic resource name is set to blanks. CICS will not attempt to register as a VTAM generic resource.

**User response**
If you intended that CICS should register as a VTAM generic resource, specify the correct GRNAME when you next initialize the system.

**Module:**
DFHPADM

**Destination**
Console

**Explanation**
Read integrity on the CICS system definition (CSD) file has been requested by specifying either CSDINTEG=CONSISTENT or CSDINTEG=REPEATABLE. However, these read integrity options are not available because the CSD has been defined to be opened in non-RLS mode. Read integrity is only available to files defined in RLS mode.

**System action**
CICS startup continues. The CSD is read without read integrity.

**User response**
Do one of the following to correct the error:
- Specify CSDRLS=YES to make the CSD eligible to be opened in RLS mode.
- Remove the CSDINTEG keyword if you do not wish to open the CSD in RLS mode.

**Module:**
DFHPADM

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**
Console

**Explanation**
VTAM=NO has been specified as a system initialization parameter but the UOWNETQL system initialization parameter is missing.

On a non-VTAM system, CICS requires the UOWNETQL parameter in order to construct a default qualified LUNAME to be passed to the recovery manager domain. On a VTAM system, the name is obtained at OPEN ACB time. Recovery manager uses the default qualified LUNAME when constructing unit of work (UOW) identifiers.

**System action**
If this is an initial start, CICS continues processing using a dummy default UOWNETQL of '9UNKNOWN'. This dummy UOWNETQL is invalid because the first
character is a number. UOWNETQL is given this invalid name to highlight the problem.

If this is a cold, warm or emergency start, the name used on the previous run is restored and used.

**User response**

Specify a valid UOWNETQL system initialization parameter.

**Module:** DFHPADM

**Destination**

Console

DFHPA1942 **applid CSDRLS=YES BUT RLS=NO. CSDRLS=NO WILL BE USED.**

**Explanation**

The system initialization parameter CSDRLS=YES has been specified but RLS=YES has not been specified. This means that if initialization were to continue with these parameter settings the open of the CSD in record level sharing (RLS) mode would fail because RLS is not available in the system.

CICS requires that if you specify CSDRLS=YES, RLS must be enabled by specifying RLS=YES.

**System action**

CICS continues processing but forces CSDRLS=NO.

**User response**

If CSDRLS is required, bring CICS up with RLS=YES.

**Module:** DFHPADM

**Destination**

Console

DFHPA1943 **applid START=COLD OR START=INITIAL MAY NOT BE SPECIFIED WITH OFFSITE=YES. CICS IS TERMINATED.**

**Explanation**

The system initialization override OFFSITE=YES has been specified but START=COLD or START=INITIAL has also been specified. OFFSITE=YES means that CICS is being restarted in offsite recovery mode, but recovery is not possible on a cold or initial start, so this combination of system initialization parameters is incompatible.

**System action**

CICS initialization is terminated.

**User response**

You should specify START=AUTO when restarting CICS in OFFSITE recovery mode.

If you intended to perform a cold or initial start, and specified OFFSITE=YES in error, either change the OFFSITE override to NO, or remove it and allow it to default to NO.

**Module:** DFHPADM

**Destination**

Console

DFHPA1944 **applid CSDRECOV=ALL CANNOT BE SPECIFIED WITHOUT A CSDFRLOG IF CSDRLS=NO. CICS IS TERMINATED.**

**Explanation**

The system initialization parameter CSDRECOV=ALL has been specified together with CSDRLS=NO, but CSDFRLOG has either not been specified, or has been specified as NO.

If the CSD is to be accessed in non-RLS mode (CSDRLS=NO) and forward recovery is specified (CSDRECOV=ALL), a forward recovery log must also be specified using the CSDFRLOG system initialization parameter.

If the CSD is to be accessed in RLS mode (CSDRLS=YES), the recovery attributes are obtained from the VSAM catalog and CSDRECOV and CSDFRLOG are ignored. For this reason, the check for CSDFRLOG when CSDRECOV=ALL is not carried out when CSDRLS=YES.

**System action**

CICS initialization is terminated.

**User response**

You should specify CSDFRLOG=nn when you specify CSDRECOV=ALL together with CSDRLS=NO, where nn is a number between 1 and 99.

If you want to access the CSD in non-RLS mode, but also choose to specify the recovery attributes for the
CSD in the VSAM catalog, the system initialization parameters relating to CSD recovery attributes are not used. However, you are still required to have a consistent set of these parameters.

**Module:**
DFHPADM

**Destination**
Console

DFHPA1945  
*applid sitname* MUST BE LINKEDITED WITH THE NORENT OPTION. CICS IS TERMINATED.

**Explanation**
The system initialization table *sitname* has been link-edited with the RENT option, which means CICS will not have write access to it.

**System action**
CICS initialization is terminated.

**User response**
You should re-link the system initialization table with the NORENT option.

**Module:**
DFHPADM

**Destination**
Console

DFHPA1946  
*APPLID* APPLID is already in use by another CICS in the sysplex. CICS is terminated.

**Explanation**
The specific *applid* specified in the SIT or the SIT overrides is already in use by another CICS system in the sysplex. The specific applids for different CICS systems in the sysplex must be distinct.

**System action**
CICS initialization is terminated.

**User response**
You should ensure that a unique applid is provided for each CICS system within the sysplex.

**Module:**
DFHPADM

DFHPA1947  
*applid* A PSDINT VALUE GREATER THAN ZERO WAS SPECIFIED WITH PSTYPE=NOPS. PSDINT HAS BEEN RESET TO 0.

**Explanation**
A conflict has been detected. PSTYPE=NOPS has been specified during CICS startup together with a non-zero value for PSDINT. PSTYPE=NOPS disables VTAM persistent session support. Therefore, a non-zero PSDINT value is mutually exclusive with PSTYPE=NOPS.

**System action**
The PSDINT value defaults to 0. CICS attempts to continue with VTAM persistent session support disabled.

**User response**
Before you next initialize CICS, alter the system initialization parameters so that either PSDINT=0 or PSTYPE=SNPS or MNPS. See the Configuring for further information.

**Module**
DFHPADM

**Destination**
Console

DFHPA1948  
*applid* MORE THAN FOUR PARAMETERS SPECIFIED FOR SIT OVERRIDE GRPLIST. ADDITIONAL PARAMETERS ARE IGNORED.

**Explanation**
The system initialization parameter GRPLIST has been specified with more than the permitted four parameters and the PARMERR=ABEND SIT option is not set.
System action

The additional parameter(s) are ignored and system initialization continues.

User response

Before you next initialize CICS, alter the GRPLIST system initialization parameters so that a maximum of four resource definition groups are specified. See the Configuring for further information.

Module

DFHPADM

Destination

Console

DFHPA1949 applid CANCEL reply received. CICS is terminating

Explanation

A CANCEL reply has been received.

System action

CICS terminates.

User response

Refer to previous messages to determine what action to take.

Module:

DFHPAGP

XMEOUT parameters/Message inserts

1. applid

Destination

Console

DFHPA1950I applid READING FEATURE TOGGLE FILE: filename

Explanation

An attempt is being made to read the specified feature toggle file.

System action

CICS startup continues.

User response

None.

Module:

DFHPAFT

XMEOUT parameters/Message inserts

1. applid
2. filename

Destination

Console

DFHPA1951I applid COMMON FEATURE TOGGLE FILE COULD NOT BE FOUND: path

Explanation

A CICS common feature toggle file could not be found at the specified path. CICS initialization continues.

System action

CICS startup continues.

User response

As a minimum an empty featuretoggle.properties file should be created in the directory with the correct permissions in place to enable it to be opened. If feature toggles are required, add the feature toggles to the required file.

Module:

DFHPAFT

XMEOUT parameters/Message inserts

1. applid
2. path

Destination

Console

DFHPA1952 W applid THE FEATURE TOGGLE FILE COULD NOT BE OPENED.

Explanation

A feature toggle file was found but could not be opened.
System action
CICS startup continues.

User response
Make sure a feature toggle file is at the correct location and that the correct permissions are in place to enable it to be opened.

Module:
DFHPAFT

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHPA1953 W  applid THE FEATURE TOGGLE FILE COULD NOT BE READ.

Explanation
A feature toggle file was opened but could not be read.

System action
CICS startup continues.

User response
Make sure that the correct permissions are in place to read the feature toggle file.

Module:
DFHPAFT

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHPA1954 W  applid THE FEATURE TOGGLE FILE IS INCORRECTLY FORMATTED.

Explanation
The feature toggle file does not contain a list of valid name-value pairs.

System action
CICS startup continues. No feature toggles specified in the feature toggle file are applied.

User response
Correct the contents of the feature toggle file.
Toggles parsed before the error was found are show in preceding DFHPA1956I messages.
Toggles parsed after the error are ignored.

Module:
DFHPAFT

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHPA1955 W  applid INSUFFICIENT STORAGE TO PROCESS FEATURE TOGGLES.

Explanation
The feature toggle file could not be processed as there was insufficient storage available.

System action
CICS startup continues. No feature toggles specified in the feature toggle file are applied.

User response
If feature toggles are required, increase the amount of above the bar storage available to the region.

Module:
DFHPAFT

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHPA1956I  applid text

Explanation
This message is displayed during CICS initialization to show the feature toggles that will be used in this region.

System action
System initialization continues.
User response
If the message contains unreadable output, make sure that the feature toggle file contents are saved in the EBCDIC file encoding on UNIX System Services.

If toggles are preceded by a finalize statement, this is not shown in this message. Comment statements are not shown.

Module:
DFHPAFT

XMEOUT parameters/Message inserts
1. applid
2. text

Destination
Console

DFHPA1957W  applid FEATURE TOGGLE NOT APPLIED. IT HAS BEEN FINALIZED: text

Explanation
This message is displayed during CICS initialization to show that a feature toggle has not been applied as it has been finalized in another toggle file.

System action
System initialization continues.

User response
None.

Module:
DFHPAFT

XMEOUT parameters/Message inserts
1. applid
2. text

Destination
Console

DFHPA1958I  applid FILE DOES NOT CONTAIN FEATURE TOGGLES.

Explanation
The file specified in message DFHPA1950 is either empty or contains no feature toggles.

System action
System initialization continues.

User response
If feature toggles are required add them to the specified file. If feature toggles are not required no action needs to be taken.

Module:
DFHPAFT

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHPA1959I  applid REGION FEATURE TOGGLE FILE COULD NOT BE FOUND: path

Explanation
A CICS region level feature toggle file could not be found at the specified path. CICS initialization continues.

System action
CICS startup continues.

User response
As a minimum an empty feature-toggle.properties file should be created in the directory with the correct permissions in place to enable it to be opened. If feature toggles are required, add the feature toggles to the required file.

Module:
DFHPAFT

XMEOUT parameters/Message inserts
1. applid
2. path

Destination
Console

DFHPA2001E  applid INSUFFICIENT 64 BIT STORAGE TO PROCESS RESOURCE OVERRIDES. RC= rc
Explanation
The resource overrides file could not be processed because insufficient 64-bit storage was available.

System action
CICS terminates abnormally.

User response
If resource overrides are required, increase the amount of above the bar storage available to the region.

Module:
DFHPARC

XMEOUT parameters/Message inserts
1. applid
2. rc

Destination
Console

DFHPA2002I applid READING RESOURCE OVERRIDES FILE: path

Explanation
An attempt is being made to read the resource overrides file referred to by the feature toggle at the specified path.

System action
CICS startup continues.

User response
None.

Module:
DFHPARC

XMEOUT parameters/Message inserts
1. applid
2. path

Destination
Console

DFHPA2003E applid RESOURCE OVERRIDES FILE COULD NOT BE FOUND: path

Explanation
The resource overrides file referred to by the feature toggle was found but could not be opened.

System action
CICS terminates abnormally.

User response
Using the return code information provided in the message, look up the description of the error in the z/OS UNIX System Services Programming Assembler Callable Services Reference.

Module:
DFHPARC

XMEOUT parameters/Message inserts
1. applid
2. resp

Destination
Console
DFHPA2005 E applid THE RESOURCE OVERRIDES FILE COULD NOT BE READ: overridesfile

Explanation
The resource overrides file overridesfile referred to by the feature toggle does not exist or cannot be read because of insufficient access permissions.

System action
CICS terminates abnormally.

User response
To override resource definitions, ensure that the CICS region user ID is permitted to read the file overridesfile on zFS.

Module:
DFHPARC

XMEOUT parameters/Message inserts
1. applid
2. overridesfile

Destination
Console

DFHPA2007 E applid CANNOT DETERMINE THE VALUE OF SIT PARAMETER USSCONFIG.

Explanation
Cannot determine the value of the SIT parameter USSCONFIG and therefore the location of the resource overrides file.

System action
CICS terminates abnormally.

User response
Inform the system programmer. This message might indicate an error in CICS code.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHPARC

XMEOUT parameters/Message inserts
1. applid
2. path

Destination
Console

DFHPA2008E applid THE RESOURCE OVERRIDES FILE IS TOO LARGE: path

Explanation
The resource overrides file was too large to process. The maximum size of resource overrides file supported is 1 MB.

System action
CICS terminates abnormally.

User response
Investigate why the specified resource overrides file is so large.

Module:
DFHPARC

XMEOUT parameters/Message inserts
1. applid
2. path

Destination
Console

DFHPA2009E applid INSUFFICIENT 31 BIT STORAGE TO PROCESS RESOURCE OVERRIDES. RC= rc

Explanation
The resource overrides file could not be processed because insufficient 31-bit storage was available.

System action
CICS terminates abnormally.

User response
If resource overrides are required, increase the amount of above the line storage available to the region.

Module:
DFHPARC

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XMEOUT parameters/Message inserts

1. applid
2. rc

Destination
Console

DFHPA2010E applid FEATURE TOGGLE SPECIFIES INVALID RESOURCE OVERRIDES FILE NAME: {FILE NAME TOO LONG. | INVALID CHARACTER '/ IN FILE NAME. | MISSING FILE EXTENSION. | INVALID FILE EXTENSION. | FULL PATH NAME TOO LONG.}

Explanation
The resource overrides file name specified by the 'com.ibm.cics.resourceoverrides.file' feature toggle is invalid. Possible reasons are:

FILE NAME TOO LONG.
Maximum length of the file name, including the file extension, is 64 characters.

INVALID CHARACTER '/ IN FILE NAME.
The file name cannot contain the backslash character '/. Specification of sub-directories is not permitted.

MISSING FILE EXTENSION.
The file name must include the .yaml or .yml file extension.

INVALID FILE EXTENSION.
The file extension must be .yaml or .yml.

DFHPCnnnn messages

DFHPC0401 applid Abend abcode issued by yyy task.

Explanation
A CICS task has abnormally terminated with CICS transaction abend code abcode. yyy identifies the task, for example TCP (terminal control).

A task abend has been requested for a system task. CICS is abnormally terminated with a system dump.

System action
CICS terminates abnormally with a dump.

DFHPCnnnn messages

DFHPC0401 applid Abend abcode issued by yyy task.

User response
See the description of abend abcode for further guidance.

Module:
DFHABAB

XMEOUT parameters/Message inserts

1. applid
2. abcode
3. yyy

FULL PATH NAME TOO LONG.
The combined length of the path and name of the resource overrides file, that is, USSCONFIG/resourceoverrides/file_name.yaml, must be less than 310 characters.

Please refer to earlier DFHPA1956I message for the value of the 'com.ibm.cics.resourceoverrides.file' feature toggle.

System action
CICS terminates abnormally.

User response
Correct the name specified for the feature toggle and restart CICS.

Module:
DFHPARC
**Destination**

**DFHPC0402**  
*APPLID* Error with kernel error code *errorcode* has occurred while processing transaction abend *abcode* in transaction *tranid*

**Explanation**

A program check, abend, loop, or a second transaction abend has occurred while processing a transaction abend and CICS is unable to complete the original transaction abend.

**System action**

CICS processing is terminated.

**User response**

Investigate why abend *abcode1* occurred. It may be due to an error in CICS abend handling.

**Module:**  
DFHABAB

**XMEOUT parameters/Message inserts**

1. *applid*  
2. *errorcode*  
3. *abcode*  
4. *tranid*

**Destination**

**DFHPC0405**  
*applid* Abend *abcode2* has been issued while processing abend *abcode1* for the same task, transaction *tranid.*

**Explanation**

Transaction *tranid* has abnormally terminated with abend code *abcode1*. While CICS was backing out transaction *tranid*, another abend (namely *abcode2*) occurred. CICS was unable to process the original *abcode* abend correctly.

**System action**

CICS is terminated with a dump.

**User response**

**Module:**  
DFHABAB

**XMEOUT parameters/Message inserts**

1. *applid*  
2. *abcode2*  
3. *abcode1*  
4. *tranid*

**Destination**

**DFHPC0408**  
*applid* Abend *abcode* has been issued during post commit processing, transaction *tranid.*

**Explanation**

During post commit processing for transaction *tranid*, the transaction issued abend *abcode*. An abend during transaction post commit processing implies that a resource manager cannot syncpoint correctly, and thus that data integrity is at risk.

**System action**

CICS terminates abnormally with a system dump.

**User response**

See the description of abend *abcode* for further guidance.

**Module:**  
DFHABAB

**XMEOUT parameters/Message inserts**

1. *applid*  
2. *abcode*  
3. *tranid*

**Destination**

**DFHPC0409**  
*applid* Abends *abcode2* and *abcode3* have been issued while processing abend *abcode1* for the same task, transaction *tranid.*
Explanation
A task has abnormally terminated with abend code abcode1. While processing this abend, the task abnormally terminated twice more (in CICS code) with abends abcode2 and abcode3 in that sequence. This may be a permanent abend loop.

System action
CICS terminates abnormally with a system dump.

User response
See the description of abend abcode1 for further guidance. You may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

DFHPDnnnn messages

DFHPD0101 Pointer to xxxxxxxxx at offset X'offset' is invalid.

Explanation
A pointer to a block of type xxxxxxxx, whose address is at offset offset in the block just formatted, is invalid.

System action
Dump formatting continues after skipping any sections affected by the error.

User response
Either the pointer to the required area was corrupted, the pointer has not been initialized, or the address was valid but the area was not present in the dump. In the latter case, if the area is essential for diagnosing the problem, a fresh dump which includes the missing area has to be obtained.

It is possible that the storage is present in the dump, and the pointer has been initialized with its address, but the storage has not been referred to by CICS code. You can check this by browsing the storage in the dump at this address.

Module:
DFHDUFFT, DFHDUFUT, DFHXRDUF

Destination
SYSPRINT

DFHPD0102 Pointer to xxxxxxxxx at offset X'offset' is zero.

Explanation
A pointer to a block of type xxxxxxxx, whose address is at offset offset in the block just formatted, is zero.

System action
Dump formatting continues after skipping any sections affected by the error.

User response
The area may have been corrupted or not set up correctly. It is also possible that the zero value is valid. This depends on the circumstances or timing of the dumps collection; for example, a zero value is valid before the block is initialized.

Module:
DFHDUFFT, DFHDUFUT, DFHXRDUF

Destination
SYSPRINT

DFHPD0103 xxxxxxxx address X'address' is invalid.

Explanation
The address address of a block of type xxxxxxxx is invalid.

System action
Dump formatting continues after skipping any sections affected by the error.
User response
Either the pointer to the required area was corrupted, the pointer has not been initialized, or the address was valid but the area was not present in the dump. In the latter case, if the area is essential for diagnosing the problem, a fresh dump which includes the missing area has to be obtained.

Module:
DFHDUFFT, DFHDUFUT, DFHXRDUF

Destination
SYSPRINT
DFHPD0104 Address of xxxxxxxx is zero.

Explanation
The address of a block of type xxxxxxxx is zero.

System action
Dump formatting continues after skipping any sections affected by the error.

User response
The area may have been corrupted or not set up correctly. It is also possible that the zero value is valid. This depends on the circumstances or timing of the dumps collection; for example, a zero value is valid before the block is initialized.

Module:
DFHDUFFT, DFHDUFUT, DFHXRDUF

Destination
SYSPRINT
DFHPD0105 A loop has been detected. xxxxxxxx at address X'address' already encountered.

Explanation
The formatting program avoids loops resulting from corrupted control block chains by checking for duplicate addresses. The block xxxxxxxx at address address has already been encountered and may already have been formatted.

System action
Dump formatting continues after skipping any sections affected by the error.

User response
Check the chain fields in control blocks of the same type which have already been processed. Otherwise the problem may be caused by the timing of the dumps collection, if for example this occurs before the block is initialized.

Module:
DFHDUFFT, DFHDUFUT

Destination
SYSPRINT
DFHPD0106 An error has occurred while formatting xxxxxxxx.

Explanation
An error has occurred during the formatting of a block of type xxxxxxxx.

System action
Dump formatting continues after skipping any sections affected by the error.

User response
If no data has been formatted for the block then the block address was probably invalid. In this case see message DFHPD0101.

If part of the block has been successfully formatted then it is possible that the length of the control block is incorrect. The length may have been overwritten which may provide a clue to the problem.

Module:
DFHDUFUT, DFHDUFFT

Destination
SYSPRINT
DFHPD0107 Eyecatcher for xxxxxxxx at X'address' is invalid.

Explanation
The eyecatcher field of a control block of type xxxxxxxx at address address has an incorrect value.

System action
Dump formatting continues after skipping any sections affected by the error.
Investigate why the eyecatcher has been overwritten or why the control block has not been set up correctly. For more information on how to solve storage overwrite problems, see the Troubleshooting and support.

**Module:** DFHDUFFT, DFHDUFUT

**Destination** SYSPRINT

**DFHPD0108** Unable to start browse of xxxxxxxx.

**Explanation**
An error has occurred when attempting to start browsing a table of type xxxxxxxx.

**System action**
Dump formatting continues after skipping any sections affected by the error.

**User response**
This error may be due to the Table Manager Program (TMP) control blocks being invalid. Check the TMP control blocks for the table in question.

**Module:** DFHDUFUT

**Destination** SYSPRINT

**DFHPD0109** Unable to get next entry in xxxxxxxx table.

**Explanation**
An error has occurred when attempting to access the next entry in a table of type xxxxxxxx.

**System action**
Dump formatting continues after skipping any sections affected by the error.

**User response**
This error may be due to the Table Manager Program (TMP) control blocks being invalid. Check the TMP control blocks for the table in question.

**Module:** DFHDUFFT, DFHDUFUT, DFHXRDUF

**Destination** SYSPRINT

**DFHPD0110** Unable to access data for xxxxxxxx

**Explanation**
The Interactive Problem Control System (IPCS) service routine ADPLMEMA was unable to find the requested data for control block xxxxxxxx in the dump.

**System action**
Dump formatting continues after skipping any sections impacted by the lack of data.

**User response**
Either the pointer to the required area was corrupted, which may in itself be a clue to the problem, or the address was valid but the area was not present in the dump. In the latter case, if the area is essential for diagnosing the problem obtain a fresh dump which includes the missing area.

**Module:** DFHPDX1

**Destination** SYSPRINT

**DFHPD0111I** Pointer to xxxxxxxx at offset X'offset' is zero.

**Explanation**
A pointer to a block of type xxxxxxxx, whose address is at offset offset in the block just formatted, is zero.

**System action**
Dump formatting continues after skipping any sections affected by the zero pointer.

**User response**
The message is informatory, indicating that the area was zero at the time the dump was taken.

**Module:** DFHDUFFT, DFHDUFUT, DFHXRDUF

**Destination** SYSPRINT
**DFHPD0112I**  Address of xxxxxxxx is zero.

**Explanation**
The address of a block of type xxxxxxxx is zero.

**System action**
Dump formatting continues after skipping any sections affected by the block.

**User response**
The message is informatory, indicating that the area did not contain an address at the time the dump was taken.

**Module:**
DFHDUFFT, DFHDFUT, DFHXRDFU

**Destination**
SYSPRINT

**DFHPD0113**  This block has already been processed.

**Explanation**
The block whose heading line has just been printed has already been formatted in this section of the dump.

**System action**
The block is formatted again then any sections which may be impacted by the probable control block chain loop are skipped.

**User response**
Check the chain fields in the control blocks processed so far. This may provide a clue to the problem.

**Module:**
DFHPD730

**Destination**
SYSPRINT

**DFHPD0114**  Invalid keyword keyword

**Explanation**
The keyword keyword is not valid for the cics730 verb.

**System action**
The keyword is ignored.

**DFHPD0115**  CICS job not found during ASCB scan.

**Explanation**
The dump formatting program searched the dump for CICS jobs satisfying the specified JOB criterion (if any), but found none.

**System action**
There is only a severe problem when this message is followed by message DFHPD0120.

**User response**
If this is a severe error, ensure that the dump is the correct one, that the JOB keyword is correctly specified, and that the dump contains the necessary MVS and CICS data areas.

**Module:**
DFHPDX1

**Destination**
SYSPRINT

**DFHPD0116**  Cannot access the AFCB.

**Explanation**
The formatting program was unable to access data for the AFCB.

**System action**
No formatting is performed.

**User response**
Ensure that the dump is the correct one, and that the dump contains the necessary MVS data areas.

**Module:**
DFHPDX1

**Destination**
SYSPRINT
**Explanation**
An error has occurred during the formatting of a block of type xxxxxxxx.

**Either** the user has performed a GETMAIN for the storage, but the storage has not been referenced. Unreferenced storage may not be present in the dump.

**Or** the block address is invalid,

**Or** the length of the control block is incorrect.

**System action**
Dump formatting continues after skipping any sections affected by the error.

**User response**
If no data has been formatted for the block then either the storage has not been referenced, or the block address was invalid. If the block address was invalid, refer to message DFHPD0101.

If part of the block has been successfully formatted then it is possible that the length of the control block is incorrect. The length may have been overwritten which may provide a clue to the problem.

**Module:**
DFHDUFFT, DFHDUFUT

**Destination**
SYSPRINT

**DFHPD0117** An error has occurred while formatting xxxxxxxx.

**Explanation**
An error has occurred during the formatting of a block of type xxxxxxxx.

**Either** the user has performed a GETMAIN for the storage, but the storage has not been referenced. Unreferenced storage may not be present in the dump.

**Or** the block address is invalid,

**Or** the length of the control block is incorrect.

**System action**
Dump formatting continues after skipping any sections affected by the error.

**User response**
If no data has been formatted for the block then either the storage has not been referenced, or the block address was invalid. If the block address was invalid, refer to message DFHPD0101.

If part of the block has been successfully formatted then it is possible that the length of the control block is incorrect. The length may have been overwritten which may provide a clue to the problem.

**Module:**
DFHDUFFT, DFHDUFUT

**Destination**
SYSPRINT

**DFHPD0117** An error has occurred while formatting xxxxxxxx.

**Explanation**
An error has occurred during the formatting of a block of type xxxxxxxx.

**Either** the user has performed a GETMAIN for the storage, but the storage has not been referenced. Unreferenced storage may not be present in the dump.

**Or** the block address is invalid,

**Or** the length of the control block is incorrect.

**System action**
Dump formatting continues after skipping any sections affected by the error.

**User response**
If no data has been formatted for the block then either the storage has not been referenced, or the block address was invalid. If the block address was invalid, refer to message DFHPD0101.

If part of the block has been successfully formatted then it is possible that the length of the control block is incorrect. The length may have been overwritten which may provide a clue to the problem.

**Module:**
DFHDUFFT, DFHDUFUT

**Destination**
SYSPRINT

**DFHPD0118** Invalid argument for JOB=, CURRENT assumed

**Explanation**
The argument for the JOB operand of the cics730 verb is invalid.

**System action**
The keyword is ignored.

**User response**
Correct the invalid argument and retry.

**Module:**
DFHPDKW

**Destination**
SYSPRINT

**DFHPD0119** Duplicate keyword keyword found. Value value accepted

**Explanation**
The cics730 keyword keyword has already been encountered.

**System action**
The value value specified in the message overrides any value previously specified for keyword keyword. Processing continues with the new value value.

**User response**
Remove the duplicate keyword specified on the cics730 verb.

**Module:**
DFHPDKW

**Destination**
SYSPRINT

**DFHPD0120** CICS IPCS exit is terminating.

**Explanation**
The CICS exit is terminating.

**System action**
The exit is returning to the Interactive Problem Control System (IPCS) without performing the requested function. A previous message gives the reason for this.

**User response**
To determine what action is necessary, refer to the message immediately preceding this one on the dump.

**Module:**
DFHPDX1

**Destination**
SYSPRINT

**DFHPD0121I** Formatting control blocks for job jobname

**Explanation**
This shows the job name for the CICS system from which the dump was taken.
System action
Processing continues.

User response
None.

Module:
DFHPDX1

Destination
SYSPRINT

DFHPD0122I End of dump for job jobname

Explanation
This marks the end of the output from the CICS print dump exit.

System action
None. The formatting job has just completed.

User response
None.

Module:
DFHPDX1

Destination
SYSPRINT

DFHPD0123 A program check has occurred while processing keyword keyword

Explanation
A program check has occurred during processing of the keyword identified in the message.

System action
Dump formatting continues after skipping any sections affected by the error.

Note that the maximum possible number of occurrences of this message is five. If a sixth program check occurs, the dump formatting program terminates abnormally with a DFHPD730 abend code.

User response
A dump should accompany this message, but if no dump is produced, rerun the job with //DFHSNAP DD SYSOUT=A included in the JCL job stream.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHPDX1

Destination
SYSPRINT

DFHPD0124 Storage violation detected at X'address'. Leading SAA is invalid.

Explanation
The Storage Accounting Area (SAA) in the first eight bytes of the user storage element at address X'address' has been found to be invalid. However, the trailing SAA is valid.

System action
Dump formatting continues after skipping any sections affected by the error.

User response
Investigate why the storage has been overwritten or has not been set up correctly. For more information on how to solve storage overwrite problems, refer to the Troubleshooting and support.

Module:
DFHDUFUT

Destination
SYSPRINT

DFHPD0125 Storage violation detected at X'address'. Trailing SAA is invalid.

Explanation
The Storage Accounting Area (SAA) in the first eight bytes of the user storage element at address X'address' has been found to be invalid. However, the leading SAA is valid.

System action
Dump formatting continues after skipping any sections affected by the error.

User response
Investigate why the storage has been overwritten or has not been set up correctly. For more information on...
how to solve storage overwrite problems, refer to the Troubleshooting and support.

**Module:** DFHDUFUT

**Destination**

SYSPRINT

DFHPD0126  
Storage violation detected at X'address'. Leading and trailing SAAs are invalid.

**Explanation**

The Storage Accounting Areas (SAAs) in the first and last eight bytes of the user storage element at address X'address' are invalid.

**System action**

Dump formatting continues after skipping any sections affected by the error.

**User response**

Investigate why the storage has been overwritten or has not been set up correctly. For more information on how to solve storage overwrite problems, refer to the Troubleshooting and support.

**Module:** DFHDUFUT

**Destination**

SYSPRINT

DFHPD0127  
Storage violation detected at X'address'. Leading and trailing SAAs differ.

**Explanation**

Although the Storage Accounting Areas (SAAs) in the first and last eight bytes of the user storage element at address X'address' are valid, they do not match.

**System action**

Dump formatting continues after skipping any sections affected by the error.

**User response**

Investigate why the storage has been overwritten or has not been set up correctly. For more information on how to solve storage overwrite problems, refer to the Troubleshooting and support.

**Module:** DFHDUFUT, DFHDUFFT

**Destination**

SYSPRINT

DFHPD0129  
CICS Domain Anchor Blocks not found for AFCB. Scan will continue.

**Explanation**

The dump formatter has attempted to find a CICS dump in a TCB chain but has failed. The scan will continue. This is because DFHPD730 could not find the addresses of the CICS domain anchor blocks in the kernel global storage. Possible causes for this are:

- Scanning the wrong TCB on the TCB chain. The scan will continue.
- The kernel global storage being overwritten or freemained.
- The dump being taken so early on in CICS initialization that the kernel global storage has not yet been set up.

**System action**

There is only a severe problem when this message is followed by message DFHPD0120.
User response

If this is a severe error. Try to recreate the original error and produce a valid system dump against which the dump formatter can be rerun.

If the problem recurs, you will need further assistance from IBM. Collect the syssize output from the dump formatter and note any relevant messages. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHPDX1

Destination

SYSPRINT

DFHPD0130 Keyword keyword1 is no longer valid. Replace with keyword keyword2

Explanation

In CICS TS 5.6 the keyword keyword1 has been replaced by keyword2 for the cics730 verb.

For example, the keyword PCP has been replaced by PG.

System action

The keyword keyword1 is ignored.

User response

Correct the keyword and retry.

Module: DFHPDKW

Destination

SYSPRINT

DFHPD0131 CICS job jobname is for CICS version version1. CICS IPCS exit is for CICS version version2.

Explanation

The CICS job jobname being processed by the dump formatting program was executing under CICS version version1, but the dump formatting program was the one distributed with CICS version version2.

System action

Dump formatting continues for the CICS job.

User response

Unless formatting MRO control blocks, retry dump formatting for the CICS job using the dump formatting program for CICS version version1.

Module: DFHPDX1

Destination

SYSPRINT

DFHPD0133 Specified task not found.

Explanation

No transaction could be found for the task identifier specified in the taskid keyword parameter.

System action

Dump formatting continues after skipping any sections affected by the error.

User response

Correct the invalid taskid and retry.

Module: DFHPD730

Destination

SYSPRINT

DFHPD0134 Link to module CEEERRIP has failed.

Explanation

While formatting dump data an attempt was made to link to the Language Environment IPCS Verbexit program CEEERRIP. The link failed.

System action

Dump formatting continues after skipping any sections affected by the error.

User response

CEEERRIP is supplied on SYS1.MIGLIB. Ensure that SYS1.MIGLIB is in the concatenation for the MVS linklist or LPA.

Module: DFHPD730
Program check occurred with CEEERRIP in control.

Explanation
While formatting dump data a program check occurred in the Language Environment IPCS verbexit module CEEERRIP.

System action
Dump formatting continues after skipping any sections affected by the error.

User response
A dump should accompany this message. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHPD730

Error occurred creating the Error Message Index. The list of pages containing severity messages is incomplete.

Explanation
While formatting dump data the list of pages containing messages was corrupted.

System action
Dump formatting continues, listing all known page numbers that were not corrupted.

User response
Refer to the dump formatting output to see each message.

Module: DFHPD730

An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the
error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHPGAI, DFHPGAQ, DFHPGDD, DFHPGDM, DFHPGEX, DFHPGHM, DFHPGIS, DFHPGLD, DFHPGLK, DFHPGLU, DFHPGPG, DFHPGRP, DFHPGST, DFHPGXM.

XMEOUT parameters/Message inserts
1. applid
2. aaa/bbbb
3. X'offset'
4. modname

Destination
Console

DFHPG0002 applid A severe error (code X'code') has occurred in module modname.

Explanation
An error has been detected in module modname. The code X'code' is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System action
An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHPGAI, DFHPGAQ, DFHPGDD, DFHPGDM, DFHPGEX, DFHPGHM, DFHPGIS, DFHPGLD, DFHPGLK, DFHPGLU, DFHPGPG, DFHPGRP, DFHPGST, DFHPGXM.

XMEOUT parameters/Message inserts
1. applid
2. X'code'
3. modname

Destination
Console

DFHPG0004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation
A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.
Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module **modname** in the message is terminated and CICS continues.

If you have declared ICVR=0 in the SIT and you consider that module **modname** has gone into a loop, you need to terminate CICS in order to terminate the runaway function.

If CICS has terminated module **modname**, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHPGAI, DFHPGAQ, DFHPGDD, DFHPGDM, DFHPGEX, DFHPGHM, DFHPGIS, DFHPGLD, DFHPGLK, DFHPGLU, DFHPGPG, DFHPGRP, DFHPGST, DFHPGXM.

**XMEOUT parameters/Message inserts**
1. **applid**
2. X'offset'
3. **modname**

**Destination**
Console

**Explanation**

This is an audit log message indicating that program entry **progname** has been added using the INSTALL command. Where:

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

**System action**
The system continues normally.

**User response**
None.

**Module:**
DFHPGDD

**XMEOUT parameters/Message inserts**
1. **date**
2. **time**
3. **applid**
4. **terminal**
5. **userid**
6. **tranid**
7. **progname**

**Destination**
CSPL

**Explanation**

This is an audit log message indicating that program entry **progname** has been deleted using the DISCARD command. Where:

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.
System action
The system continues normally.

User response
None.

Module: DFHPGDD

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. progname

Destination
CSPL

DFHPG0103 date time applid terminal userid tranid Resource definition for progname has been replaced.

Explanation
This is an audit log message indicating that program entry progname has been replaced using the INSTALL command. Where:

- terminal is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- userid is the user identifier of the user associated with the transaction issuing the message.
- tranid is the transaction issuing the message.

System action
The system continues normally.

User response
None.

Module: DFHPGDD

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. progname

Destination
CSPL

DFHPG0104 date time applid Program progname is defined with DATALLOCATION(ANY) but is linkedited with AMODE(24).

Explanation
Program entry progname has been loaded. It is defined (using RDO or by program autoinstall) with DATALLOCATION(ANY), but was linkedited with AMODE(24). Addresses returned to the program by EXEC CICS commands using the SET option may be above the 16MB line and not accessible by the AMODE(24) program.

The definition is accepted as the program can pass the storage on to another program which is linkedited with AMODE(31). See the description of DATALLOCATION in the Defining resources.

This message is issued the first time the program is loaded, linked to or XCTLed to, after being defined.

System action
The system continues normally.

User response
None.

Module: DFHPGGLD, DFHPGLE, DFHPGLK, DFHPGLU, DFHPGPG, DFHPGXE, DFHPGEX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. progname
**Explanation**

This is an audit log message indicating that program entry `progname` has been updated by a program definition in a group list. Where:

- `terminal` is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- `userid` is the user identifier of the user associated with the transaction issuing the message.
- `tranid` is the transaction issuing the message.

**System action**

The system continues normally.

**User response**

None.

**Module:** DFHPGDD

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `terminal`
5. `userid`
6. `tranid`
7. `progname`
8. `applicationname`
9. `majorversion`
10. `minorversion`
11. `microversion`
12. `platformname`

**Destination**

CSPL

**Explanation**

This is an audit log message indicating that program entry `progname` belonging to application `applicationname` version `majorversion.minorversion.microversion` on platform `platformname` has been installed.

- `terminal` is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- `userid` is the user identifier of the user associated with the transaction issuing the message.
- `tranid` is the transaction issuing the message.

**System action**

The system continues normally.

**User response**

None.

**Module:** DFHPGDD

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `terminal`
5. `userid`
6. `tranid`
7. `progname`
8. `applicationname`
9. `majorversion`
10. `minorversion`
11. `microversion`
12. `platformname`

**Destination**

CSPL

**Explanation**

This is an audit log message indicating that program entry `progname` belonging to application `applicationname` version `majorversion.minorversion.microversion` on platform `platformname` has been installed.

This is an audit log message indicating that program entry `progname` belonging to application `applicationname` version `majorversion.minorversion.microversion` on platform `platformname` has been discarded.

**Explanation**

This is an audit log message indicating that program entry `progname` belonging to application `applicationname` version
majorversion.minorversion.microversion on platform platformname has been discarded. Where:

- terminal is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- userid is the user identifier of the user associated with the transaction issuing the message.
- tranid is the transaction issuing the message.

**System action**
The system continues normally.

**User response**
None.

**Module:** DFHPGDD

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. programe
8. applicationname
9. majorversion
10. minorversion
11. microversion
12. platformname

**Destination**
CSPL

DFHPG0113  

(date time applid terminal userid tranid) An application entry point for operation operationname of application applicationname, version majorversion.minorversion.microversion, on platform platformname has been set {disabled and unavailable | disabled} because PROGRAM programname has been {replaced | deleted}.

**Explanation**
An application entry point for operationname of application applicationname version majorversion.minorversion.microversion on platform platformname has been set disabled and unavailable because the public PROGRAM programname which was adopted by the application as a program entry point has been either deleted or replaced.

**System action**
CICS continues normally.

**User response**
To make the application entry point available again first reinstall the program, then enable the bundle and set it available.

**Module:** DFHPGDD

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. operationname
8. applicationname
9. majorversion
10. minorversion
11. microversion
12. platformname
13. Value chosen from the following options:  
   1=disabled and unavailable,  
   2=disabled
14. programname
15. Value chosen from the following options:  
   1=replaced,  
   2=deleted

**Destination**
CSPL

DFHPG0114  

(date time applid terminal userid tranid) An application entry point...
for operation operationname has been set {disabled and unavailable | disabled} because PROGRAM programname has been {replaced | deleted}.

**Explanation**

An application entry point for operationname has been set disabled and unavailable because the public PROGRAM programname which was adopted by the application as a program entry point has been either deleted or replaced.

**System action**

CICS continues normally.

**User response**

To make the application entry point available again first reinstall the program, then enable the bundle and set it available.

**Module:**

DFHPGDD

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. operationname
8. Value chosen from the following options:
   1 = disabled and unavailable,
   2 = disabled
9. programname
10. Value chosen from the following options:
    1 = replaced,
    2 = deleted

**Destination**

CSPL

DFHPG0201 date time applid terminal userid tranid programname indicated that program programe should not be installed.

**Explanation**

An attempt has been made to autoinstall a program during link, XCTL, load or exit processing but the autoinstall exit set a return code indicating that the program should not be installed. Where:

- terminal is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- userid is the user identifier of the user associated with the transaction issuing the message.
- tranid is the transaction issuing the message.

**System action**

Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMDERR and EIBRESP2 is set to indicate the cause of the error.

**User response**

None

**Module:**

DFHPGAI

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. urmname
8. progname

**Destination**

CSPL

DFHPG0202 date time applid terminal userid tranid Program autoinstall exit urmname has abended with code abcode. The program autoinstall function has been disabled.

**Explanation**

An attempt has been made to autoinstall a program during link, XCTL, load or exit processing but the program autoinstall exit program abended with code abcode. Where:
terminal is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.

userid is the user identifier of the user associated with the transaction issuing the message.

tranid is the transaction issuing the message.

System action
Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error. The autoinstall function is disabled.

User response
Continue processing without program autoinstall or correct the error in the autoinstall exit program and reenable the autoinstall function using CEMT or the SPI.

Module: DFHPGAI

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. urmname
8. abcode

Destination
CSPL and Console

DFHPG0203 date time applid terminal userid tranid Program autoinstall exit urmname failed, reason: reason. The program autoinstall function has been disabled.

Explanation
An attempt has been made to autoinstall a program during link, XCTL, load, or exit processing but the program autoinstall exit program is incorrectly defined or cannot be found on the load libraries. Where:

• terminal is the netname or termid of the terminal associated with the transaction issuing the message.

If there is no terminal associated with the transaction, the terminal name is suppressed.

userid is the user identifier of the user associated with the transaction issuing the message.

tranid is the transaction issuing the message.

reason is one of the following:
– Program not defined
– Program not enabled
– Program not loadable
– Remote program
– AMODE error
– Invalid COMMAREA
– Recursion in autoinstall exit.

System action
Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error. The autoinstall function is disabled.

User response
Continue processing without program autoinstall or correct the problem and reenable the autoinstall function using CEMT or the SPI. Take the appropriate action to correct the problem:

Program not defined
Install the autoinstall exit program.

Program not enabled
Reset the status of the autoinstall exit program.

Program not loadable
Ensure that the autoinstall exit program is in the load libraries.

Remote program
Ensure that the autoinstall exit program is defined as a local program.

AMODE error
Ensure that the autoinstall exit program is AMODE 31.

Invalid COMMAREA
Ensure that if the program autoinstall exit program passes the COMMAREA to another program, the COMMAREA is correctly passed.

Recursion in autoinstall exit
The autoinstall user-replaceable module has attempted to link to XCTL or to load another
Autoinstall cannot be attempted with the autoinstall exit. Ensure that the program being referred to is defined using RDO.

**Module:**
DFHPGAI

### XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. urmname
8. reason

**Destination**
CSPL and Console

| DFHPG0204 | date time applid terminal userid tranid Autoinstall for program proname failed. Program autoinstall model modelname is not defined. |

**Explanation**
An attempt has been made to autoinstall a program during link, XCTL, load, or exit processing but the program selected for the autoinstall is not defined. Where:

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

**System action**
Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

**User response**
Ensure that all programs to be used as models for the autoinstall function have been defined.

**Module:**
DFHPGAI

### XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. progname
8. modelname

**Destination**
CSPL

| DFHPG0205 | date time applid terminal userid tranid Invalid value: value returned by program autoinstall exit urmname for field fieldname. |

**Explanation**
An attempt has been made to autoinstall a program during link, XCTL, load, or exit processing but the program autoinstall exit returned an invalid value for a program definition field or the return code via the commarea. Where:

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.
- **value** is the returned value. This may be invalid or there may be a conflict between the load attribute specified and the load type of the model program. If the program type is shared, the load attribute must be resident.

**System action**
Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

**User response**
Ensure that the data returned by the autoinstall exit program is correct.

**Module:**
DFHPGAI
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. value
8. urmname
9. fieldname

Destination

CSPL

DFHPG0206  date time applid terminal userid tranid Autoinstall for program progridname failed. Programs starting with 'DFH' cannot be defined as remote programs.

Explanation

An attempt has been made to autoinstall a program during link, XCTL, load, or exit processing with remote attributes but the program starts with the characters 'DFH'. Where:

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

System action

Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

User response

Ensure that the program name is valid.

Module:

DFHPGAI

XMEOUT parameters/Message inserts

1. date
**Explanation**

An attempt has been made to autoinstall a program during link, XCTL, load, or exit processing but the install of the definition failed. Either the AMODE/RMODE combination is invalid or the load attribute and type combination is invalid. Where:

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

**System action**

Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

**User response**

Ensure the AMODE and RMODE are compatible and the program attribute is specified as resident if the program type is shared.

**Module:** DFHPGAI

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **terminal**
5. **userid**
6. **tranid**
7. **progname**
8. **modelname**
If there is no terminal associated with the transaction, the terminal name is suppressed.

- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

**System action**
The system continues normally.

**User response**
None.

**Module:**
DFHPGAI

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. progname

**Destination**
CSPL

**DFHPG0221**

| date time applid terminal userid tranid | Program autoinstall exit urmname indicated that program progname in application applicationname, version majorversion.minorversion.microversion of platform platformname should not be installed. |

**Explanation**
An attempt has been made to autoinstall a program during link, XCTL, load or exit processing but the autoinstall exit set a return code indicating that the program should not be installed. Where:

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

**User response**
Ensure that all programs to be used as models for the autoinstall function are enabled.

**Module:**
DFHPGAI

**Explanation**
An attempt has been made to autoinstall a program during link, XCTL, load or exit processing but the autoinstall exit set a return code indicating that the program should not be installed. Where:

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

**System action**
Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

**User response**
None
Explanation
An attempt has been made to autoinstall a program during link, XCTL, load, or exit processing but the model selected for the autoinstall is not defined. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System action
Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

User response
Ensure that all programs to be used as models for the autoinstall function have been defined.
**System action**

Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

**User response**

Ensure that the autoinstall model program selected for programs starting 'DFH' is defined as a local program and that no remote attributes are specified by the program autoinstall exit program.

**Module:**

DFHPGAI

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. progname
8. applicationname
9. majorversion
10. minorversion
11. microversion
12. platformname

**Destination**

CSPL

**Explanation**

An attempt has been made to autoinstall a program during link, XCTL, load or exit processing but the program name includes invalid characters. Where:

- `terminal` is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.

- `userid` is the user identifier of the user associated with the transaction issuing the message.

- `tranid` is the transaction issuing the message.

**System action**

Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

**User response**

Ensure that the program name is valid.

**Module:**

DFHPGAI

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. progname
8. applicationname
9. majorversion
10. minorversion
11. microversion
12. platformname

**Destination**

CSPL

**Explanation**

An attempt has been made to autoinstall a program during link, XCTL, load or exit processing but the install of the definition failed. Either the AMODE/RMODE combination is invalid or the load attribute and type combination is invalid. Where:

- `terminal` is the netname or termid of the terminal associated with the transaction issuing the message.
If there is no terminal associated with the transaction, the terminal name is suppressed.

- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

**System action**

Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

**User response**

Ensure the AMODE and RMODE are compatible and the program attribute is specified as resident if the program type is shared.

**Module:**

DFHPGAI

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. progname
8. applicationname
9. majorversion
10. minorversion
11. microversion
12. platformname

**Destination**

CSPL

DFHPG0229 | date time applid terminal userid

progrid Resource definition for progrid in application

applicationname, version

majorversion.minorversion.microversion on platform platformname has been added by the AUTOINSTALL function using the model modelname.

Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

**System action**

The system continues normally.

**User response**

None.

**Module:**

DFHPGAI

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. progname
8. applicationname
9. majorversion
10. minorversion
11. microversion
12. platformname
13. modelname

**Destination**

CSPL

DFHPG0230 | date time applid terminal userid

progrid Resource definition for progrid in application

applicationname, version

majorversion.minorversion.microversion of platform platformname has been autoinstalled using model modelname.

Where:

This is an audit log message indicating that program entry progname belonging to application applicationname version majorversion.minorversion.microversion on platform platformname has been added by the AUTOINSTALL function using the model modelname.
Explanation
This is an audit log message indicating that program entry proname belonging to application applicationname version majorversion.minorversion.microversion on platform platformname has been added by the system AUTOINSTALL function.

Where:
- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

System action
The system continues normally.

User response
None.

Module:
DFHPGAI

XMEOUT parameters/Message inserts

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Destination
CSPL

DFHPG0231  

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Autoinstall for program proname in application applicationname, version majorversion.minorversion.microversion of platform platformname

Destination
CSPL and Console

DFHPG0300  

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Bundle bundlename has successfully installed PROGRAM proname.

Explanation
An attempt has been made to autoinstall a program during link, XCTL, load or exit processing but the model selected for the autoinstall is disabled. Where:

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

System action
Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

User response
Ensure that all programs to be used as models for the autoinstall function are enabled.

Module:
DFHPGAI

XMEOUT parameters/Message inserts

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</tbody>
</table>
Explanation
The CICS bundle *bundlename* has successfully installed PROGRAM *programname*

System action
CICS continues normally.

User response
None.

Module: DFHPGRL

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *bundlename*
5. *programname*

Destination
CSPL

**Destination**

| DFHPG0301 | *date time applid* BUNDLE *bundlename* has failed to install PROGRAM *programname* because {the definition is invalid | of an installation failure | the program name cannot begin with 'DFH' | an internal error occurred}. |

Explanation
The CICS bundle *bundlename* has failed to install PROGRAM *programname* The reason for the error is also given.

System action
The BUNDLE resource is disabled and the PROGRAM is not created.

User response
Investigate and correct the cause of the failure. Check for any previous messages which may give you more information about the reason for the failure as follows:

**definition is invalid**
Check for a preceding DFHCAnnnn message. For example DFHCA5504 is output if the REMOTENAME attribute is specified but the REMOTESYSTEM attribute is not specified.

**Destination**

| DFHPG0302 | *date time applid* Program name was not specified or is too long in BUNDLE *bundlename*. |

**Explanation**
The CICS bundle *bundlename* has failed to install a PROGRAM because the resource name was not specified or was too long.

**System action**
The BUNDLE resource is disabled and the PROGRAM is not created.

**User response**
Correct the name of the program resource in the bundle manifest file. Discard and reinstall the BUNDLE resource.

Module: DFHPGRL

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. applid
4. bundlename

**Explanation**

The CICS BUNDLE *currentbundlename* has failed to define the resource as an entry point as it has already been identified as an entry point by BUNDLE *bundlename*.

**System action**

The BUNDLE resource is disabled and the entry point is not updated.

**User response**

To update the entry point, disable BUNDLE *bundlename* and enable BUNDLE *currentbundlename*.

**Module:** DFHPGRL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. *currentbundlename*
5. *resourcename*
6. *bundlename*

**Destination**

CSPL

---

**Explanation**

The CICS BUNDLE *bundlename* has successfully made available the PROGRAM *programname* as an entry point for operation *operationname* of application *applicationname*, version *majorversion.minorversion.microversion* on platform *platformname*.

**System action**

CICS continues normally.

**User response**

None.

**Module:** DFHPGRL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. *bundlename*
5. *programname*
6. *operationname*
7. *applicationname*
8. *majorversion*
9. *minorversion*
10. *microversion*
11. *platformname*

**Destination**

CSPL

---

**Explanation**

The CICS bundle *bundlename* has successfully made the PROGRAM *programname* unavailable as an entry point for application *applicationname*, version *majorversion.minorversion.microversion* on platform *platformname*.
System action
CICS continues normally.

User response
None.
Module:
DFHPGRL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. bundlename
5. programname
6. applicationname
7. majorversion
8. minorversion
9. microversion
10. platformname

Destination
CSPL

DFHPG0306

date time applid BUNDLE
bundlename unable to enable
PROGRAM programname as
an entry point for operation
operationname as {the PROGRAM
does not exist. | the PROGRAM
failed to autoinstall. | an internal
error occurred. | the PROGRAM
name is invalid. | the named
PROGRAM is remote. | the named
resource is a MAPSET. | the named
resource is a PARTITIONSET. | the
PROGRAM has the same name as
an existing public PROGRAM.}

Explanation
The CICS bundle bundlename has failed to enable
PROGRAM programname as an entry point for
operation operationname. The reason for the error is
also given.

System action
The BUNDLE resource is disabled.

User response
Investigate and correct the cause of the failure. If
updates are needed to the <modify> statement in
the bundle manifest file then discard and reinstall the
BUNDLE.
Module:
DFHPGRL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. bundlename
5. programname
6. operationname
7. Value chosen from the following options:
   1=the PROGRAM does not exist.,
   2=the PROGRAM failed to autoinstall.,
   3=an internal error occurred.,
   4=the PROGRAM name is invalid.,
   5=the named PROGRAM is remote.,
   6=the named resource is a MAPSET.,
   7=the named resource is a PARTITIONSET.,
   8=the PROGRAM has the same name as an existing
   public PROGRAM.

Destination
CSPL

DFHPG0307
date time applid Install of
PROGRAM programname has
failed because a PROGRAM of that
name has already been installed
by a BUNDLE.

Explanation
The PROGRAM programname was not installed
because a PROGRAM of that name has already been
installed by a BUNDLE. A PROGRAM installed by a
BUNDLE cannot be altered directly.

System action
The new version of the PROGRAM resource is not
installed. CICS continues normally.
User response

Investigate and correct the cause of the naming conflict. If attributes of the PROGRAM need to be updated, change the CICS bundle.

Module: DFHPGDD

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. programname

Destination

CSPL

DFHPG0308 date time applid BUNDLE bundlename has associated an application entry point for operation operationname of application applicationname, version majorversion.minorversion.microversion, on platform platformname with PROGRAM programname

Explanation

The CICS bundle bundlename has successfully associated an application entry point for operation operationname of application applicationname, version majorversion.minorversion.microversion, on platform platformname with PROGRAM programname.

Only one application entry point can be associated with a PROGRAM resource at any time. To associate or disassociate an application entry point with the PROGRAM resource you must enable or disable the CICS bundle, respectively.

System action

CICS continues normally.

User response

None.

Module: DFHPGRL

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. bundlename
5. operationname

Destination

CSPL

DFHPG0309 date time applid BUNDLE bundlename has disassociated an application entry point for operation operationname of application applicationname, version majorversion.minorversion.microversion, on platform platformname with PROGRAM programname.

Explanation

The CICS bundle bundlename has successfully disassociated an application entry point for operation operationname of application applicationname, version majorversion.minorversion.microversion, on platform platformname with PROGRAM programname.

System action

CICS continues normally.

User response

None.
6. applicationname
7. majorversion
8. minorversion
9. microversion
10. platformname
11. programname

Destination
CSPL DFHPG0310  date time applid BUNDLE bundlename unable to make available PROGRAM programname as an application entry point for operation operationname of application applicationname, version majorversion.minorversion.microversion, on platform platformname as {the PROGRAM name is invalid., the PROGRAM does not exist., the PROGRAM has the same name as an existing public PROGRAM., the operation is not unique within the application., an internal error occurred.}

Explanation
The CICS bundle bundlename has failed to make available PROGRAM programname as an application entry point for operation operationname of application applicationname version majorversion.minorversion.microversion, on platform platformname. The reason for the error is also given.

System action
The BUNDLE resource is disabled.

User response
Investigate and correct the cause of the failure. If updates are needed to the <modify> statement in the bundle manifest file then discard and reinstall the BUNDLE.

Module:
DFHPGRL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. bundlename
5. programname

Destination
CSPL DFHPG0311  date time applid BUNDLE bundlename has made the PROGRAM programname available as an application entry point for operation operationname.

Explanation
The CICS bundle bundlename has successfully made available the PROGRAM programname as an application entry point for operation operationname.

System action
CICS continues normally.

User response
None.

Module:
DFHPGRL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. bundlename
5. programname
6. operationname

Destination
CSPL

DFHPG0312  date time applid BUNDLE bundlename has associated an application entry point for operation operationname with PROGRAM programname.

Explanation
The CICS bundle bundlename has successfully associated an application entry point for operation operationname with PROGRAM programname.

System action
CICS continues normally.

User response
After associating an application entry point with the PROGRAM resource either make the bundle available to allow the application operation to be set with the PROGRAM resource or disable the bundle to remove the association of the application entry point with the PROGRAM resource.

Module:
DFHPGRL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. bundlename
5. programname
6. operationname

Destination
CSPL

DFHPG0314  date time applid BUNDLE bundlename has disassociated an application entry point for operation operationname with PROGRAM programname.

Explanation
The CICS bundle bundlename has successfully disassociated an application entry point for operation operationname with PROGRAM programname.

System action
CICS continues normally.

User response
None.

Module:
DFHPGRL
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. bundlename
5. operationname
6. programname

**Destination**

CSPL

---

**DFHPG0400 applid tranid trannum Channel storage exceeds 5% of MEMLIMIT.**

**Explanation**

CICS has refused to store data in a Container because the total storage allocated for the Channel will exceed 5% of MEMLIMIT.

**System action**

If the PUT call was issued by an application, CICS abends the transaction with code APGC. If the PUT call was issued by CICS, error processing occurs.

**User response**

Review the storage requirements for the PROGRAM. If the volume of data is correct, either delete any unnecessary Containers from the Channel, or increase MEMLIMIT so that the program does not use more than 5% of the storage available.

**Module:**

DFHPGCR

---

**DFHPG0501 date time applid The public version of the application entry point program programname for operation operationname of application applicationname on platform platformname has now been made available and can be invoked via an EXEC CICS LINK or EXEC CICS XCTL command.**

**Explanation**

Version majorversion.minorversion.microversion of the application entry point program programname for operation operationname of application applicationname on platform platformname has been made available and is now the public version of the program entry point for the application. The public version of a program entry point defines the version of the program that will be invoked when that program is named on either an EXEC CICS LINK or EXEC CICS XCTL command, or named as the initial program for a TRANSACTION.

**System action**

The system continues normally.

**User response**

None.

**Module:**

DFHPGIS

---

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. programname
5. operationname
6. applicationname
7. platformname
8. majorversion
9. minorversion
10. microversion

**Destination**

Console

---

**DFHPG0501 date time applid The public version of the application entry point program programname for operation operationname of application applicationname on platform platformname has now been made available and can be invoked via an EXEC CICS LINK or EXEC CICS XCTL command.**

**Explanation**

Version majorversion.minorversion.microversion of the application entry point program programname for operation operationname of application applicationname on platform platformname has been made available and is now the public version of the program entry point for the application. The public version of a program entry point defines the version of the program that will be invoked when that program is named on either an EXEC CICS LINK or EXEC CICS XCTL command, or named as the initial program for a TRANSACTION.

**System action**

The system continues normally.

**User response**

None.

**Module:**

DFHPGIS
Explanation

Either a new version of the application applicationname has been made available or an existing version of the application has been made unavailable. As a result the public version of the application entry point program programname for operation operationname of application applicationname on platform platformname has changed from version majorversion.minorversion.microversion to version majorversion.minorversion.microversion. The public version of a program application entry point defines the version of the program that will be invoked when that program is named on either an EXEC CICS LINK or EXEC CICS XCTL command, or named as the initial program for a TRANSACTION.

System action

The system continues normally.

User response

None.

Module:
DFHPGIS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. programname
5. operationname
6. applicationname
7. platformname
8. majorversion
9. minorversion
10. microversion
11. majorversion
12. minorversion
13. microversion

Destination

CSPL

DFHPG0502 date time applid All versions of the application entry point program programname for operation operationname of application applicationname on platform platformname are now unavailable.

Explanation

The last available version of application entry point program programname of application applicationname on platform platformname has been made unavailable.

System action

The system continues normally.

User response

None.

Module:
DFHPGIS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. programname
5. operationname
6. applicationname
7. platformname

Destination

CSPL

DFHPG0503 date time applid The public version of the application entry point program programname for operation operationname of application applicationname has changed to version majorversion.minorversion.microversion on platform platformname superseding the version on platform platformname.

Explanation

A version of the application applicationname version majorversion.minorversion.microversion has been made available on platform platformname superseding the version installed on platform platformname as the public version of the application entry point. The public version of a program application entry point defines the version of the program that will be invoked when that program is named on either an EXEC CICS LINK or EXEC CICS XCTL command, or named as the initial program for a TRANSACTION.
System action
The system continues normally.

User response
None.

Module:
DFHPGIS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

DFHPInnnnn messages

DFHPI0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If you cannot continue without the full use of module modname you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHPICA, DFHPIDM, DFHPIWT

XMEOUT parameters/Message inserts
1. applid
2. aaa/bbbb
3. X'offset'
4. modname

Destination
Console
**DFHPI0002**  
*applid* A severe error (code X'code') has occurred in module *modname*.

**Explanation**  
An error has been detected in module *modname*. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the Troubleshooting and support.

**System action**  
An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**  
Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**  
DFHPICA, DFHPIDM, DFHPIST, DFHPIWT

**XMEOUT parameters/Message inserts**

1. *applid*
2. X'code'
3. *modname*

**DFHPI0004**  
*applid* A possible loop has been detected at offset X'offset' in module *modname*.

**Explanation**  
A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

**System action**  
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**  
Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

This may not be an error as some CICS functions can use a lot of processor time, and this message may have been caused by a long-running function.

Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR parameter, which is measured in milliseconds). This means that the module *modname* will be terminated and CICS will continue.

If you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway function, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. You can change the ICVR time interval temporarily online, using the CEMT transaction.
If raising the ICVR time does not solve the problem, you need further assistance from IBM to resolve this problem.

**Module:** DFHPIRM

### XMEOUT parameters/Message inserts

1. **applid**
2. **X’offset’**
3. **modname**

**Destination**

Console

DFHPI0110 | date time applid An attempt to start program DFHPIDSH by something other than an attach request from web domain has been made. This is not allowed.

**Explanation**

An attempt has been made to start program DFHPIDSH by some method other than a transaction attach from web domain. This program is usually started from transaction CPIH. Transaction CPIH is a system task and cannot be entered from a terminal.

**System action**

The transaction has not been started.

**User response**

Do not attempt to enter CPIH (or any other transaction that specifies program DFHPIDSH) from a terminal, or from any other device. CICS will start the transaction if a PIPELINE request is made via a TCP/IP attached client. No user action is required.

**Module:** DFHPIDSH

### XMEOUT parameters/Message inserts

1. **date**
2. **time**
3. **applid**
4. **tranid**
5. **function**
6. **reason_code**

**Destination**

CPIO

DFHPI0112 | date time applid tranid Unable to locate URIMAP to match HOST hostname and PATH pathname. Unable to process inbound MQ message.

**Explanation**

A WebSphere MQ message has been received on queue hostname and with either targetService or SOAPJMS_targetService pathname, but no match was found when attempting to locate a URIMAP with this host and path. No pipeline processing can be done for this WebSphere MQ message.
**System action**
The inbound message is placed on the Dead Letter Queue and a report message is sent to the ReplyTo queue.

**User response**
Define and install a suitable URIMAP to match this combination of host and path which will identify the PIPELINE (and optionally WEBSERVICE) to process requests using this combination of queue name and either targetService or SOAPJMS_targetService.

Module: DFHPILSQ

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. hostname
6. pathname

**Destination**
CPIO

DFHPI0113  
*date time applid tranid* URIMAP urimapname has been located for HOST hostname and PATH pathname, but does not have USAGE(PIPELINE). Unable to process inbound MQ message.

**Explanation**
A WebSphere MQ message has been received on queue hostname and with either targetService or SOAPJMS_targetService pathname, and a matching URIMAP urimapname was found. However, this URIMAP was not defined with USAGE(PIPELINE). Therefore, no pipeline processing can be done for this WebSphere MQ message.

**System action**
The inbound message is placed on the Dead Letter Queue and a report message is sent to the ReplyTo queue.

**User response**
Define and install a suitable URIMAP to match this combination of host and path with USAGE(PIPELINE) which will identify the PIPELINE (and optionally WEBSERVICE) to process requests using this combination of queue name and either targetService or SOAPJMS_targetService.

Module: DFHPILSQ

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. urimapname
6. hostname
7. pathname

**Destination**
CPIO

DFHPI0114  
*date time applid tranid* The pipeline MQ transport mechanism failed because a call to WebSphere MQ function function returned with reason code reason_code.

**Explanation**
A WebSphere MQ function call issued by the pipeline MQ transport mechanism was unsuccessful and has set a non-zero reason code.

**System action**
The pipeline MQ transport mechanism returns an exception response to the pipeline manager which performs further error processing.

**User response**
Check the WebSphere MQ reason code in the MQ messages and codes manual, and examine the trace to determine why the MQ function call failed. You may need help from IBM to resolve this problem.

Module: DFHPITQ1

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
The service provider pipeline has returned a response message to the MQ transport, but the inbound request did not expect a response. The response message is ignored.

**Explanation**

The WebSphere MQ transport module has been called by a provider pipeline to return a response. However, the inbound request did not expect a response, and was sent as a one-way request. There is no reply-to queue on which to place the response. There is probably a mismatch between the service requester and the service provider definitions of the service, as the service requester specified that the request was a one-way request.

**System action**

The response is ignored by the WebSphere MQ transport module. The transport module returns control to the pipeline manager with no error indication, and pipeline processing will complete normally.

**User response**

Check the definitions of the web service in the service requester and service provider and ensure that both indicate one-way request, or both indicate a reply is expected.

**Module:**

DFHPITQ1

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**

CPIO

---

**Explanation**

A one way SOAP message has been received as a persistent WebSphere MQ message, but the provider pipeline has abended or forced a backout of changes to recoverable resources. As there is no reply to queue, there is no way of informing the requester of the failure. A BTS process "processname" in completion state ABENDED contains information about the original WebSphere MQ message, and this process and its containers can be used to retry the failing provider pipeline, or to report the failure appropriately.

**System action**

CICS has kept the information necessary to retry the failing provider pipeline in the named process. CICS takes no further action for the process.

**User response**

A user written transaction can ACQUIRE the process named in the message and take appropriate installation defined action. This could include one or more of the following.

- retry the failing process by issuing RESET ACQPROCESS followed by RUN ACQPROCESS ASYNC. Of course, the process could fail again in exactly the same way, and so an installation might wish to limit the number of retries. This can be done by using a container to contain a retry count, which would be incremented on each attempt, and taking a different action when the count exceeds an installation defined threshold.

- recover information about the original WebSphere MQ message received and record this on an installation defined log file. There are a number of containers associated with the process, DFHMQORIGINALMSG contains the message as received from WebSphere MQ, DFHMQMSG contains the inbound message with RFH2 header removed, that is, the SOAP message. DFHMQCONT contains the MQMD control block with data relating to the
MQGET that was issued by CICS pipeline processing WebSphere MQ transport. After recovering any necessary information for reporting or logging the failure, the process can be cancelled (CANCEL ACQPROCESS).

**Module:** DFHPIDSQ

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. processname
5. processtype

**Destination**

CPIO

| DFHPI0117 | date time applid BTS Process processname of processtype, which has completed with status ABENDED, has been cancelled. A provider pipeline started with a persistent WebSphere MQ message has abended or backed out, but a response has been sent to the requester. |

**Explanation**

A provider pipeline was started by a persistent WebSphere MQ message, and so a BTS process was created to ensure the information was not lost on a system failure. The provider pipeline abended or backed out changes to recoverable resources, and the BTS process completed with status ABENDED. As a response message has been returned to the requester (a WebSphere MQ message on the reply-to queue) the requester will be aware of the failure and can take appropriate action. The BTS process in the provider system has been cancelled as there is no longer any need to retain it. An earlier message DFHBA0104 reported the ABENDED state of the process.

**System action**

CICS cancels the process that had completed with status ABENDED. All the data associated with the process is removed.

**User response**

None. This is an informative message, indicating that the process which completed with status ABENDED has been cancelled. CICS has sent a response to the requester indicating the failure.

**Module:** DFHPIDSQ

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. processname
5. processtype

**Destination**

CPIO

| DFHPI0118 | applid CICS has attempted to use BTS processes to support pipelines started with WebSphere MQ persistent messages. This attempt failed. CICS will continue, using channel based containers for the pipeline, but there is a risk of data loss in the event of a system failure. Ensure that BTS processtype, repository and local request queue are correctly defined and installed. |

**Explanation**

A persistent WebSphere MQ message has been received to start a CICS provider pipeline, and CICS has attempted to create a BTS process to reliably hold the message data until the provider pipeline completes. However an error occurred when attempting to create the BTS process. CICS will continue processing persistent WebSphere MQ messages to start provider pipelines, using channel based containers, but there is a risk that data from the persistent message may be lost in the event of a system failure.

**System action**

CICS continues to process inbound WebSphere MQ persistent messages to drive provider pipelines, but in the event of a system failure, data originating in the persistent messages may be lost. This message is issued once on the first occurrence of a failure to create a BTS process. It is not issued for every occurrence of such a failure.
User response
Check that the steps stated in the section "Configuring your CICS system for Web Services" in the CICS Web Services Guide manual have been taken.

Module:
DFHPILSQ

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHPI0119  date time applid The XML Toolkit could not be loaded. Some configurations of the CICS Supplied WS-Security handler are not usable.

Explanation
CICS has detected that the XML Toolkit for z/OS v1.10 is not available. Some configurations of the CICS supplied WS-Security handler are unusable.

System action
None.

User response
If you intend to use the CICS supplied WS-Security handler then you must install the XML Toolkit for z/OS v1.10 and make it available to CICS.

Module:
DFHPIRL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. bundlename
5. pipeline
6. Value chosen from the following options:
   1=Disabled state. Enabling process initiated,
   2=Disabled state

Destination
CPIO

DFHPI0201  date time applid BUNDLE bundlename has failed to install PIPELINE pipeline because {the definition is invalid | of an installation failure | an internal error occurred}.

Explanation
The CICS bundle bundlename has failed to install PIPELINE pipeline. The reason for the error is also given.

System action
The BUNDLE resource is disabled and the PIPLEINE is not created.

User response
Investigate and correct the cause of the failure. Check for any previous messages which may give you more information about the reason for the failure as follows:
definition is invalid

Check for a preceding DFHCAnnnn message. For example DFHCA5547 is output if the value specified for CONFIGFILE attribute is invalid.

installation failure

Check for a preceding DFHAMnnnn console message. For example DFHAM4950 is output if a PIPELINE with the same name already exists.

Discard and reinstall the BUNDLE resource.

Module:
DFHPIRL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. bundlename
5. pipeline
6. Value chosen from the following options:
   1. the definition is invalid,
   2. of an installation failure,
   3. an internal error occurred

**Destination**
CPIO

| DFHPI0203 | date time applid CONFIGFILE path in PIPELINE pipeline is too long in BUNDLE bundlename. |

**Explanation**
The CICS bundle bundlename has failed to install a PIPELINE because the CONFIGFILE path is too long.

**System action**
The BUNDLE resource is disabled and the PIPELINE is not created.

**User response**
Correct the CONFIGFILE path in the PIPELINE definition file. Discard and reinstall the BUNDLE resource.

Module:
DFHPIRL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. pipeline
5. bundlename

**Destination**
CPIO

| DFHPI0202 | date time applid PIPELINE name was not specified or is too long in BUNDLE bundlename. |

**Explanation**
The CICS bundle bundlename has failed to install a PIPELINE because the resource name was not specified or was too long.

**System action**
The BUNDLE resource is disabled and the PIPELINE is not created.

**User response**
Correct the name of the PIPELINE resource in the bundle manifest file. Discard and reinstall the BUNDLE resource.

Module:
DFHPIRL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. pipeline
5. bundlename

**Destination**
CPIO

| DFHPI0204 | date time applid userid PIPELINE Pipeline is now ENABLED and is ready for use. |

**Explanation**
The PIPELINE has completed initialization and is ready for use.
System action
Processing continues.

User response
None.

Module:
DFHPIPL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. Pipeline

Destination
CPIO

DFHPI0220
date time applid BUNDLE bundlename has successfully installed WEBSERVICE webservice in the {Disabled state. Enabling process initiated / Disabled state}.

Explanation
The CICS bundle bundlename has successfully installed WEBSERVICE webservice

User response
Investigate and correct the cause of the failure. Check previous messages for more information and ensure a WEBSERVICE with the same name does not already exist. Discard and reinstall the BUNDLE resource.

Module:
DFHPIRN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. bundlename
5. webservice
6. Value chosen from the following options:

1=the definition is invalid,
2=of an installation failure,
3=an internal error occurred

Destination
CPIO

DFHPI0222
date time applid WEBSERVICE name was not specified or is too long in BUNDLE bundlename.
Explanation
The CICS bundle `bundlename` has failed to install a WEBSERVICE because the resource name was not specified or was too long.

System action
The BUNDLE resource is disabled and the WEBSERVICE is not created.

User response
Correct the name of the WEBSERVICE resource in the bundle manifest file. Discard and reinstall the BUNDLE resource.

Module:
DFHPIRN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. bundlename

Destination
CPIO

DFHPI0300  `date time applid CICS could not invoke WEBSERVICE WebService because it was unable to find container container_name.

Explanation
The WEBSERVICE WebService could not be invoked because the container `container_name` was not found. An exception response from the program which gets the container was received.

System action
An exception response will be returned to the exec interface module which requested the INVOKE WEBSERVICE.

User response
None.

Module:
DFHPIIW

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. WebService
5. container_name

Destination
CPIO

DFHPI0301  `date time applid CICS was unable to link to PROGRAM program_name while attempting to invoke WEBSERVICE WebService. {The program abended. | The program was not defined. | The program was not enabled. | The program was not loadable. | No further details are available.}

Chapter 2. CICS messages 1359
Explanation
CICS was attempting to perform an INVOKE WEBSERVICE command for webservice WebService but was unable to link to the given program program_name, or the linked program program_name abended.

System action
The link is abandoned and the INVOKE WEBSERVICE command returns appropriate EIBRESP and EIBRESP2 codes to the application program. Error processing will continue.

User response
Ensure that the program definition for program_name is correct. Correct the problem identified in the message. If the message reports no further information is available then trace can be referred to.

Module:
DFHPIIW

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. program_name
5. WebService
6. Value chosen from the following options:
   1=The program abended.,
   2=The program was not defined.,
   3=The program was not enabled.,
   4=The program was not loadable.,
   5=No further details are available.

Destination
CPIO

DFHPI0400 date time applid tranid The CICS pipeline HTTP transport mechanism failed to send a request because the request was using an invalid host codepage | there was a socket error (IO_ERROR) | the URL was invalid | the connection was closed | a socket request timed out | a proxy error was detected | there was an HTTP error | an invalid media type was used | there was an authorization problem | there was a problem with the client certificate | there was a URIMAP problem | SSL is not supported in CICS | there was a error with exit XWBAUTH | the URIMAP is disabled | there was a socket error (ADDRESS_IN_USE) | there was a socket error (ADDRESS_NOT_AVAILABLE) | there was a socket error (ALREADY_ASSOCIATED) | the connection was refused | there was a socket error (INVALID_OPTION) | there was a socket error (MAX_PORTS_REACHED) | there was a socket error (MISSING_OPTION) | there was a socket error (NEVER_ASSOCIATED) | there was a socket error (NO_CONNECTION) | there was a socket error (NO_SOCKET_AVAILABLE) | there was a socket error (NOT_PENDING) | there was a socket error (NOTIFIED) | there was a socket error (SCHEDULED) | there was a socket error (SOCKET_IN_USE) | there was a socket error (STATE_ERROR) | there was a socket error (TASK_CANCELLED) | there was a socket error (TCP_NOT_ACTIVE). Problem occurred for URI URI.

Explanation
The CICS pipeline HTTP transport mechanism was unable to successfully handle the outbound request because of one of the following reasons:

- The transport mechanism encountered a socket error (error reason code).
- The connection that the request was trying to use was closed.
- A socket request timed out.
- A write request failed because an invalid codepage was used.
- The URL being parsed was invalid because an invalid escape character was encountered on the URI specified as input.
- There was a problem communicating with the HTTP proxy.
- There was an HTTP protocol error.
- An invalid media type was encountered.
• The current user is not authorized to submit the request.
• There was a problem with the client SSL certificate.
• The URIMAP that was used cannot be found or is invalid.
• SSL has not been enabled for CICS.
• There was a problem with global user exit XWBAUTH.
• The URIMAP that was used is disabled.
• The connection was refused.

System action
The request is not sent. Error processing will continue.

User response
Depending on the error indicated in the message, ensure the host codepage you are using is correct or check for any socket errors indicated by examining any exception trace entries issued from sockets (SO) domain, or check that the URI specified as input does not contain any invalid characters or null delimiters, or check the XWBAUTH user global exit program for problems handling this request.

Module: DFHPITH

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1=the request was using an invalid host codepage,
   2=there was a socket error (IO_ERROR),
   3=the URL was invalid,
   4=the connection was closed,
   5=a socket request timed out,
   6=a proxy error was detected,
   7=there was an HTTP error,
   8=an invalid media type was used,
   9=there was an authorization problem,
   10=there was a problem with the client certificate,
   11=there was a URIMAP problem,
   12=SSL is not supported in CICS,
   13=there was an error with exit XWBAUTH,
   14=the URIMAP is disabled,
   15=there was a socket error (ADDRESS_IN_USE),
   16=there was a socket error (ADDRESS_NOT_AVAILABLE),
   17=there was a socket error (ALREADY_ASSOCIATED),
   18=the connection was refused,
   19=there was a socket error (INVALID_OPTION),
   20=there was a socket error (MAX_PORTS_REACHED),
   21=there was a socket error (MISSING_OPTION),
   22=there was a socket error (NEVER_ASSOCIATED),
   23=there was a socket error (NO_CONNECTION),
   24=there was a socket error (NO_SOCKET_AVAILABLE),
   25=there was a socket error (NOT_PENDING),
   26=there was a socket error (NOTIFIED),
   27=there was a socket error (SCHEDULED),
   28=there was a socket error (SOCKET_IN_USE),
   29=there was a socket error (STATE_ERROR),
   30=there was a socket error (TASK_CANCELLED),
   31=there was a socket error (TCP_NOT_ACTIVE)
6. URI

Destination
CPIO

DFHPI0401 date time applid tranid The CICS pipeline HTTP transport mechanism failed to send a response or receive a request because (the codepage was not found | there was a socket error | the connection was closed | the client codepage was invalid | an HTTP chunking error occurred).

Explanation
The CICS pipeline HTTP transport mechanism was unable to successfully handle the inbound request due to one of four reasons as indicated in the message. For instance, the transport may be unable to send a response due to the connection being closed or a sockets error. Also, the error could be caused by the
request specifying a codepage which was either invalid or not found.

**System action**
The response is not sent. Error processing will continue.

**User response**
Depending on the error indicated in the message, ensure that the codepage you are using is correct, the connection being used is open, or check for any socket errors indicated by examining any exception trace entries issued from sockets (SO) domain.

**Module:** DFHPITH

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *tranid*
5. Value chosen from the following options:
   1. the codepage was not found,
   2. there was a socket error,
   3. the connection was closed,
   4. the client codepage was invalid,
   5. an HTTP chunking error occurred

**Destination**
CPIO

**Explanation**
The CICS pipeline HTTP transport mechanism did not successfully receive a response to the outbound request due to the reason indicated in the message.

• The socket receive was timed out.
• The task was purged.
• An HTTP chunking error occurred.

**System action**
The request is abandoned. Error processing will continue.

**User response**
For a timeout error: Investigate why the remote server failed to respond in a timely manner. Consider changing the RESPWAIT value for the pipeline which processes these web service requests. For a task purged error: Use the transaction dump from the AEXY abend to establish why the task was purged. For an HTTP chunking error: check any exception trace entries issued from sockets (SO) domain and pipeline (PI) domain.

**Module:** DFHPITH
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1=the socket receive was timed out,
   2=the task was purged,
   3=an HTTP chunking error occurred
6. URI

Destination
CPIO

DFHPI0404 date time applid tranid A failure occurred in the CICS pipeline HTTP transport mechanism for PIPELINE pipeline_name WEBSERVICE webservice_name.

Explanation
A failure occurred in the CICS pipeline HTTP transport mechanism for the named PIPELINE and WEBSERVICE.

System action
The request is not sent. Error processing continues.

User response
Check subsequent messages for more details and correct any problems for the named PIPELINE and WEBSERVICE.

Module:

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid

Destination
CPIO

DFHPI0450 date time applid tranid The CICS transport mechanism in the pipeline was unable to successfully handle the request because of an invalid URI.

Explanation
The CICS transport mechanism in the pipeline was unable to successfully handle the request because of an invalid URI.

System action
The request is not sent. Error processing continues.

User response
Check that the parameters and options in the URI are valid and the URI does not contain any invalid characters or null delimiters.

Module:

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. pipeline_name
6. webservice_name

Destination
CPIO

DFHPI0451 date time applid tranid The CICS transport manager encountered an error while trying to link to program program_name.

Explanation
The CICS transport manager, DFHPITS, was unable to link to the given program, or the linked program abended.

System action
Error processing continues.

User response
Check for any prior messages and ensure that the program definition is correct.

Module:
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. program_name

**Destination**

CPIO

DFHPI0452  
**date**  **time**  **applid**  **tranid**  The CICS transport manager encountered an error while trying to locate URIMAP with HOST=localhost and PATH=urimap_path.

**Explanation**
The CICS transport manager, DFHPITS, was unable to locate a urimap with the given path.

**System action**
Error processing continues.

**User response**
Ensure that a URIMAP with HOST=localhost attribute and that the given PATH exists.

**Module:**

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. urimap_path

**Destination**

CPIO

DFHPI0453  
**date**  **time**  **applid**  **tranid**  The CICS transport manager encountered an error while trying to use URIMAP urimap_name.

**Explanation**
The CICS transport manager, DFHPITS, was unable to use the URIMAP named in the message.

**System action**
Error processing continues.

**User response**
Ensure that the URIMAP is defined as USAGE=PIPELINE and is enabled.

**Module:**

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. pipeline_name

**Destination**

CPIO

DFHPI0454  
**date**  **time**  **applid**  **tranid**  The CICS transport manager encountered an error while trying to use provider pipeline pipeline_name.

**Explanation**
The CICS transport manager, DFHPITS, was unable to use the provider pipeline named in the message.

**System action**
Error processing continues.

**User response**
Ensure that the pipeline is a provider pipeline and that the PIPELINE resource is enabled.

**Module:**

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. pipeline_name

**Destination**

CPIO
**DFHPI0455**  
*date time applid tranid*  
The CICS transport manager encountered an error while trying to use requester pipeline *pipeline_name*.

**Explanation**
The CICS transport manager, DFHPITS, was unable to use the requester pipeline named in the message.

**System action**
Error processing continues.

**User response**
Ensure that the pipeline is a requester pipeline and that the PIPELINE resource is enabled.

**Module:**

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *tranid*
5. *pipeline_name*

**Destination**
CPIO

**DFHPI0456**  
*date time applid tranid*  
The CICS transport manager encountered an error with the input data being greater than the maximum COMMAREA length.

**Explanation**
The CICS transport manager encountered an error with the input data being greater than the maximum COMMAREA length.

**System action**
The request is not sent. Error processing continues.

**User response**
Check that the input data is suitable for the target program and that the maximum COMMAREA length specified in the URI is correct.

**Module:**

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *tranid*

**Destination**
CPIO

**DFHPI0457**  
*date time applid tranid*  
The CICS transport manager was unable to successfully handle the request because of the missing targetServiceUri parameter in the URI.

**Explanation**
The CICS transport manager was unable to successfully handle the request because of the missing targetServiceUri parameter in the URI.

**System action**
The request is not sent. Error processing continues.

**User response**
Check that the URI contains all required parameters for the specified destination type.

**Module:**

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *tranid*

**Destination**
CPIO

**DFHPI0500**  
*date time applid tranid*  
The CICS Pipeline Manager DFHPIPM encountered an error while trying to link to program *program_name*.  
{The program abended. | The program was not defined. | The program was not enabled. | The program was not loadable. | The program was not authorized. | Program autoinstall failed. | The program is defined to be remote.}
The program is defined to be dynamic. No further details are available.) PIPELINE: pipeline.

Explanation
The CICS Pipeline Manager, DFHPIPM, was unable to link to the given program, or the linked program abended.

System action
The link is abandoned. Error processing will continue.

User response
Ensure that the program definition is correct. Correct the problem identified in the message. If the message reports that no further information is available then check for additional messages or refer to trace.

Module:
DFHPIPM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. program_name
6. Value chosen from the following options:
   1=The program abended.,
   2=The program was not defined.,
   3=The program was not enabled.,
   4=The program was not loadable.,
   5=The program was not authorized.,
   6=Program autoinstall failed.,
   7=The program is defined to be remote.,
   8=The program is defined to be dynamic.,
   99=No further details are available.
7. pipeline

Destination
CPIO

DFHPI0501  date time applid tranid The CICS Pipeline Manager cannot proceed as the pipeline is unusable. {The pipeline was not found. | The pipeline is configured for z/OS Connect.} PIPELINE: pipeline.

Explanation
The CICS Pipeline Manager DFHPIPM was unable to begin processing as the pipeline it has been invoked for is unusable. If the message indicates that the pipeline is of the wrong type then this means that a Requester pipeline was used where a Provider pipeline was expected or a Provider pipeline was used in place of a Requester one.

System action
In the requester case the transaction is abended with abend code APIB. In the provider case the transaction is abended with abend code API1.

User response
Correct the problem identified in the message.

Module:
DFHPIPM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1=The pipeline was not found.,
   2=The pipeline is disabled.,
   3=The pipeline was of the wrong type,
   4=The pipeline is configured for z/OS Connect.
6. pipeline

Destination
CPIO

DFHPI0502  date time applid tranid The CICS Pipeline Manager has failed to receive a request from the underlying transport. TRANSPORT: transport, PIPELINE: pipeline.

Explanation
The CICS Pipeline Manager DFHPIPM was unable to begin processing as the pipeline it has been invoked for is unusable. If the message indicates that the pipeline is of the wrong type then this means that a Requester pipeline was used where a Provider pipeline was expected or a Provider pipeline was used in place of a Requester one.

System action
In the requester case the transaction is abended with abend code APIB. In the provider case the transaction is abended with abend code API1.

User response
Correct the problem identified in the message.

Module:
DFHPIPM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1=The pipeline was not found.,
   2=The pipeline is disabled.,
   3=The pipeline was of the wrong type,
   4=The pipeline is configured for z/OS Connect.
6. pipeline

Destination
CPIO

DFHPI0502  date time applid tranid The CICS Pipeline Manager has failed to receive a request from the underlying transport. TRANSPORT: transport, PIPELINE: pipeline.
Explanation
The CICS Pipeline Manager DFHPIPM was unable to receive a request from the underlying transport. This is due to a error in that transport.

System action
The transaction is abended with abend code API2.

User response
Check the previous messages issued by the transport to identify the cause of the problem.

Module:
DFHPIPM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. transport
6. pipeline

Destination
CPIO

DFHPI0503  date time applid tranid The CICS Pipeline Manager has failed to send a response on the underlying transport. TRANSPORT: transport, PIPELINE: pipeline.

Explanation
The CICS Pipeline Manager DFHPIPM was unable to send a response on the underlying transport. This is due to a previous error in that transport.

System action
The request is abandoned. Error processing will continue.

User response
Check the previous messages issued by the transport to identify the cause of the problem.

Module:
DFHPIPM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. transport
6. pipeline

Destination
CPIO

DFHPI0504  date time applid tranid The CICS Pipeline Manager has failed to communicate with a service provider due to an error in the underlying transport. TRANSPORT: transport, PIPELINE: pipeline.

Explanation
The CICS Pipeline Manager DFHPIPM failed to communicate with a service provider due to an error in the underlying transport.

System action
The request is abandoned. Error processing will continue.

User response
Check the previous messages issued by the transport to identify the cause of the problem.

Module:
DFHPIPM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. transport
6. pipeline

Destination
CPIO

DFHPI0505  date time applid tranid The CICS Pipeline Manager has failed to communicate with a remote service provider.

Explanation
The CICS Pipeline Manager DFHPIPM failed to communicate with a remote service provider.

System action
The request is abandoned. Error processing will continue.

User response
Check the previous messages issued by the transport to identify the cause of the problem.

Module:
DFHPIPM
Explanation
The CICS Pipeline Manager DFHPIPM failed to communicate with a remote server as no URI was provided. Before CICS can make and a request to a remote server it must be provided with a URI identifying that server. This URI must either be provided in the container 'DFHWS-URI' or in the Pipeline configuration file.

System action
An exception trace entry is written. Error processing continues.

User response
Correct either the application logic or the configuration file so that a URI with a supported scheme is provided.

Module:
DFHPIPM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. uri
6. pipeline

Destination
CPIO

Explanation
The CICS Pipeline Manager DFHPIPM failed to communicate with a remote server due to an invalid URI scheme being specified. URI: uri, PIPELINE: pipeline.

System action
An exception trace entry is written. Error processing continues.

User response
Check the message logs for the region in which the application task was running to determine the detailed cause of the problem.

Module:
DFHPIPM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Explanation
The CICS Pipeline Manager DFHPIPM was unable to receive a response from an application task. A separate task was used for the application handler as a context switch was required. The message indicates the reason the response was not received.

System action
The request will be treated as failed and error processing will continue.

User response
Check the message logs for the region in which the application task was running to determine the detailed cause of the problem.

Module:
DFHPIPM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1=The request timed out.,
   2=The application task abended.,
   3=The connection to the application task was closed.
6. pipeline

Destination
CPIO

DFHPI0508 E  date time applid The pipeline manager is unable to create or join a request stream because it is unable to reach the target for transaction tranid with userid userid.

Explanation
The CICS pipeline manager attempted to create or join a request stream for transaction tranid. The transaction specifies a REMOTESYSTEM which cannot be contacted. This might be because IRC is not open or the target system is unavailable.

System action
The SOAP Handler attempting to create this request stream will create a SOAP server fault to return to the client. Error processing continues.

User response
Determine the remote system name from the tranid definition. Ensure that IRC is open and the IRC connection named is in service.

Module:
DFHPIPM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. userid

Destination
CPIO

DFHPI0509 E  date time applid The pipeline manager is unable to create or join a request stream because transaction tranid is not installed.

Explanation
The CICS pipeline manager attempted to create or join a request stream for transaction tranid which is not installed.

System action
The SOAP Handler that attempted to create the request stream will create a SOAP server fault to return to the client. Error processing continues.

User response
Add an RDO definition for tranid with a program name of DFHPIAP.

Module:
DFHPIPM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CPIO

DFHPI0510 E  date time applid The pipeline manager is unable to create or join a request stream because it has encountered a severe error for transaction tranid with userid userid.

Explanation
The CICS pipeline manager attempted to create or join a request stream for transaction tranid. CICS encountered a severe error.

System action
A system dump is taken. The SOAP Handler attempting to create this request stream will create a SOAP server fault to return to the client. Error processing continues.

User response
None
Module:
DFHPIPM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. userid

Destination
CPIO

DFHI0511  date time applid tranid The CICS Pipeline Manager has failed to receive a response from the target Secure Token Service: sts_uri. The response message failed to parse.

Explanation
The CICS pipeline manager trust handler, DFHPITC, was unable to parse a response from the security token service identified. This may indicate a problem with the secure token service.

System action
A fault is created and the pipeline returns it to the requester.

User response
Check the CICS trace and the secure token service logs to identify the cause of the XML error.

Module:
DFHPITC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. userid
6. fault_code

Destination
CPIO

DFHI0513  date time applid tranid The CICS Pipeline Manager has received a fault from the target Secure Token Service: sts_uri. The fault had a fault code of fault_code.

Explanation
The CICS pipeline manager trust handler, DFHPITC, received a fault message from the security token service identified. This may indicate a problem with the secure token service.

System action
A fault is created and the pipeline returns it to the requester.

User response
Check the CICS trace and the secure token service logs to identify the cause of the fault and correct it if necessary.

Module:
DFHPITC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. userid
6. sts_uri

Destination
CPIO

DFHI0512  date time applid tranid The CICS Pipeline Manager has failed to find the required credentials in a response from the Secure Token Service: sts_uri.

Explanation
The CICS pipeline manager trust handler, DFHPITC, failed to find the required credentials in a response from the secure token service identified. This is commonly caused by a token, other than a UsernameToken, being returned when a UsernameToken was expected.

System action
A fault is created and the pipeline returns it to the requester.
User response
Check the CICS trace and the secure token service logs to identify the cause of the error.

Module:
DFHPITC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. sts_uri

Destination
CPIO

DFHPI0514 date time applid tranid The CICS Pipeline Manager has failed to find the required credentials in a request. An element: local_name, in namespace: namespace, was expected.

Explanation
The CICS pipeline manager trust handler, DFHPITC, failed to find the required credentials in a request, when it was expecting a specific type of identity token. This is commonly due to the expected token type not being present in the message, but may be caused by a configuration error in the security handler.

System action
A fault is created and the pipeline returns it to the requester.

User response
Check the CICS trace and the security handler configuration to determine the cause of the error.

Module:
DFHPITC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. pipeline

Destination
CPIO

DFHPI0516 date time applid tranid SAML request saml_function to endpoint saml_endpoint on JVM server jvmserver has failed because {of an invalid token. | of a container error. | a required input container is missing. | the JVM server is not enabled. | the JVM server cannot be found. | the DFHSAML-FUNCTION container is not DATATYPE(CHAR). | the DFHSAML-TOKEN container is not found. | the DFHSAML-TOKEN container is not DATATYPE(CHAR).}.

Explanation
The CICS pipeline manager has attempted to invoke the CICS WS-Security handler and the message content and configuration of the handler requires the XML Toolkit for z/OS. Please refer to the CICS documentation to determine which version of the Toolkit is required. CICS has detected that the XML Toolkit is not available. The request cannot be processed.

System action
The pipeline is driven in error mode.

User response
Ensure that the XML Toolkit library is available to CICS and restart CICS.

Module:
DFHPITC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. pipeline
6. local_name
7. namespace
Explanation

An error occurred in the CICS pipeline handler whilst linking to the CICS SAML security token service, DFHSAML.

System action

A fault is created and the pipeline returns it to the requester.

User response

Ensure a valid security token is supplied and the SAML security token service is correctly configured.

Module:

DFHPITC

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. saml_function
6. saml_endpoint
7. jvmserver
8. Value chosen from the following options:
   1=of an invalid token.,
   2=of a container error.,
   3=a required input container is missing.,
   6=the JVM server is not enabled.,
   7=the JVM server cannot be found.,
   9=the DFHSAML-FUNCTION container is not DATATYPE(CHAR),
   10=the DFHSAML-TOKEN container is not found.,
   11=the DFHSAML-TOKEN container is not DATATYPE(CHAR),
   12=the DFHSAML-JVM container is not DATATYPE(CHAR),
   13=the DFHSAML-FILTER container is not DATATYPE(CHAR),
   14=the DFHSAML-SIGNED container is not DATATYPE(CHAR),
   15=of an error in parsing the token.,
   16=the DFHSAML-FILTER container has invalid data.,
   17=the DFHSAML-FUNCTION container has invalid data.
   18=the DFHSAML-SIGNED container has invalid data.
   19=the DFHSAML-OUTTOKEN container is not found.
   21=the certificate has expired.
   22=the token is no longer valid.
   23=the certificate in the token is not trusted.
   24=the input container is not readonly.
   25=a signature element is not specified in the Security Token Service configuration file.
   26=an error has occurred while adding an attribute to the token.
   27=at least one of the attribute input containers is not DATATYPE(CHAR).
   28=the value of an attribute is missing.
29=the name of an attribute is missing.,
30=the KEYRING SIT parameter is not set.,
31=the certificate was not found in the keyring.,
32=the transaction channel DFHTRANSACTION cannot be found.,
33=the JVM server is not configured for SAML.,
98=the DFHSAML-RESPONSE container cannot be found.,
99=of an internal error.

Destination
CPIO
DFHPI0517 date time applid tranid The CICS Pipeline Manager DFHPIPM encountered an error while trying to link to program program_name. Abend, abend_code, has been issued.

Explanation
The CICS Pipeline Manager, DFHPIPM, was unable to link to the target program, or the target program abended.

System action
The link is abandoned. Error processing will continue.

User response
Ensure that the target program definition is correct. Use the abend code to determine corrective action.

Module: DFHPIRI

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. program_name
6. abend_code

Destination
CPIO
DFHPI0600 date time applid The CICS SOAP handler has been passed a container that is not DATATYPE(CHAR).

Explanation
The CICS soap handler DFHPISN was unable to convert the container to UTF-8 as the container does not have a datatype of CHAR.

System action
The soap handler is unable to process the input and returns a SOAP fault to the client/sender.

User response
Ensure that the DFHREQUEST and DFHWS-BODY containers use the DATATYPE(CHAR) option on the EXEC CICS PUT CONTAINER call.

Module: DFHPISN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CPIO
DFHPI0601 date time applid The CICS SOAP handler has been passed data that does not begin with a ' < ' character.

Explanation
The CICS soap handler DFHPISN has detected that the data in container DFHWS-BODY passed to it does not begin with a ' < ' character.

System action
The soap handler attempts to continue processing using the contents of the DFHWS-BODY container.

User response
If the contents of the DFHWS-BODY container is not expected to begin with a ' < ' character no further action is required. If the contents of the DFHWS-BODY container is expected to begin with a ' < ' character then check the data being put into it is correct and that the fromccsid parameter is set correctly.

Module: DFHPISN
XMEOUT parameters/Message inserts

1. date
2. time
3. applid

Destination
CPIO

DFHPI0602  date time applid tranid trannum
The CICS SOAP handler failed to parse a message. The parser error code is errcode. The error
was found at offset offset into the message. Further information:
{a GETMAIN failure has occurred
| an unspecified error has been detected in DFHPIEP | a non-SOAP
tag has been found in the SOAP envelope | an in-line DTD has been found in the SOAP envelope | an unspecified error has occurred | the namespace of the SOAP envelope is not recognized | an XML processing instruction has been found | the SOAP envelope is not well formed | an unqualified attribute has been found on a SOAP tag | the PL/I XML parser returned a fatal error code | an unspecified error has occurred | a problem occurred processing a tag in DFHPIEP | a problem occurred processing an attribute in DFHPIEP}.

Explanation
The CICS SOAP handler, DFHPISN, has failed to parse a message.

System action
The SOAP handler stops processing the SOAP message and creates a SOAP fault to return to the requester.

User response
Look up the parser error code errcode in the Enterprise PL/I Programming Guide to determine the type of parsing failure. If the parser error code is 0, the XML is valid but the SOAP is not. Use the offset offset into the SOAP message to determine the precise location of the failure. In some scenarios the contents of the container that held the problematic SOAP message may have been replaced with a SOAP Fault message. If this occurs you may need to take a trace in order to see the SOAP messages as they arrived in CICS.

Module:
DFHPISN

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. trannum
6. errcode
7. offset
8. Value chosen from the following options:

1=a GETMAIN failure has occurred,
2=an unspecified error has been detected in DFHPIEP,
3=a non-SOAP tag has been found in the SOAP envelope,
4=an in-line DTD has been found in the SOAP envelope,
5=an unspecified error has occurred,
6=the namespace of the SOAP envelope is not recognized,
7=an XML processing instruction has been found,
8=the SOAP envelope is not well formed,
9=an unqualified attribute has been found on a SOAP tag,
10=the PL/I XML parser returned a fatal error code,
11=an unspecified error has occurred,
12=a problem occurred processing a tag in DFHPIEP,
13=a problem occurred processing an attribute in DFHPIEP.

Destination
CPIO

DFHPI0603 I  date time applid The CICS SOAP handler has received an unexpected HTTP GET for URI Uri.

Explanation
The CICS SOAP handler was invoked with a HTTP GET method with URI Uri. CICS Web services support can handle only HTTP POST methods. A URIMAP resource
might be missing if the URI is trying to discover a WSDL file.

**System action**
The soap handler is unable to process the input and returns a SOAP fault to the requester.

**User response**
If the request is attempting to discover the WSDL for a web service, ensure a URIMAP resource is installed that can match the path of the URI to the location of the WSDL.

**Module:**

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. Uri

**Destination**
CPIO

**Explanation**
The SOAP handler was unable to link to the given program, or the linked program abended.

**System action**
The link is abandoned. Error processing will continue.

**User response**
Ensure that the program definition is correct. Correct the problem identified in the message. If the message reports no further information is available then trace can be referred to.

**Module:**
DFHPISH

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. program_name
6. Value chosen from the following options:
   
   1 = The program abended.,
   2 = The program was not defined.,
   3 = The program was not enabled.,
   4 = The program was not loadable.,
   99 = No further details are available.

**Explanation**
The final stage of the installation of PIPELINE pipeline has failed because PL/I support is not available in this region. PL/I language support is a pre-requisite for using pipelines.

**System action**
The PIPELINE is disabled, but CICS continues normally.

**User response**
Add PL/I language support to your region and restart CICS. For instructions on how to do this, see z/OS V1R4.0 Language Environment Customization.

**Module:**
DFHPIPL

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. pipeline

**Destination**
CPIO

**Explanation**
The Pipeline `pipeline` has been created. It now needs to undergo resolution processing. The CPIR transaction is attached automatically to do this. Once resolution is complete, the pipeline will become available for use.

**System action**
CICS continues normally.

**User response**
None.

**Module:**
DFHPIPL

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `userid`
5. `pipeline`

**Destination**
CPIO

**Explanation**
During the pipeline resolution process, the configuration file is parsed and control blocks are built. During this process, an error was encountered. The error is at the offset indicated and starts with the element name shown.

**System action**
The pipeline is set to a DISABLED state and normal processing continues.

**User response**
Correct the configuration file. Ensure that the corrected file has been validated before discarding the pipeline (`pipeline`) and then re-installing it.

**Module:**
DFHPIPL

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `userid`
5. `pipeline`
6. `filename`
7. `X'offset'`
8. `elementname`
Implicit scan has completed. Number of wsbind files found in the WSDIR directory: num_files. Number of successful WEBSERVICE creates: num_ok. Number of failed WEBSERVICE creates: num_failed.

Explanation

The scan for pipeline pipeline has completed. The number of wsbind files found in the directory specified for this pipeline by the WSDIR parameter is reported by num_files. The number that successfully created WebService resources is reported by num_ok and the number that failed WebService creation is reported by num_failed.

System action

CICS continues normally.

User response

If num_failed is non-zero, look for previous messages that may describe the errors. PI domain trace entries will also have been written to aid in diagnosing the problem(s).

Module:

DFHPIPL

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. pipeline
6. num_files
7. num_ok
8. num_failed

Pipeline resolution failed because it cannot be determined if this is a requester or provider pipeline.

Explanation

After the pipeline is created, it undergoes the resolution process in a separate transaction. CICS has been unable to determine if the pipeline is a requester or a provider. The first element name must be requester_pipeline or provider_pipeline.

System action

The pipeline is set to a DISABLED state and CICS continues normally.

User response

Check that the configuration file is correct. If it is correct, ensure that the Language Environment
resource definitions are correct for the version of z/OS. If not, correct the configuration file. You must discard and reinstall the PIPELINE resource pipeline_name.

**Module:** DFHPIPL

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. pipeline

**Destination**
CPIO

DFHPI0707 E  
**date time applid userid PIPELINE pipeline resolution failed because namespace prefixes are not supported in the XML configuration file.**

**Explanation**
An XML element was discovered that had a namespace prefix specified. This is not supported.

**System action**
The pipeline is set to a DISABLED state and CICS continues normally.

**User response**
Correct the configuration file. Pipeline pipeline_name must be discarded and then re-installed.

**Module:** DFHPIPL

DFHPI0707 E  
**date time applid userid PIPELINE pipeline resolution failed because namespace prefixes are not supported in the XML configuration file.**

**Explanation**
After the pipeline has been created, it undergoes the resolution process in a separate transaction. This transaction has been unable to find the file specified in the CONFIGFILE parameter of the resource definition, or in the EXEC CICS CREATE PIPELINE command.

**System action**
The pipeline is set to a DISABLED state.

**User response**
Ensure that the zFS filename is being specified correctly. A fully-qualified name must be used. Usual zFS restrictions, such as case-sensitivity and access rights, apply to the filename. For more information about the CONFIGFILE parameter in a PIPELINE definition, see PIPELINE attributes.

**Module:** DFHPIPL

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. pipeline

**Destination**
CPIO

DFHPI0710 I  
**date time applid userid PIPELINE pipeline was successfully discarded.**

**Explanation**
The PIPELINE was successfully discarded and is no longer available for use.

**System action**
Processing continues.

**User response**
None.

**Module:** DFHPIPL
**DFHPI0711 E** date time applid userid PIPELINE pipeline resolution failed because the SAX parser returned error code X'errcode'. The error was at offset X'offset' in the CONFIGFILE. The first eight bytes of data at this offset are: 'hexdata'.

**Explanation**

After the pipeline has been created, it undergoes the resolution process in a separate transaction. This transaction invokes a SAX parser. The parser has detected an error (errcode) at offset offset into the CONFIGFILE, as specified in RDO or in the EXEC CICS CREATE PIPELINE command. The first eight bytes of data (hexdata) are printed in hexadecimal to aid problem resolution.

**System action**

The pipeline is set to a DISABLED state and CICS continues normally.

**User response**

Correct the access for the userid or ensure the correct userid is used for the installation of this pipeline.

**Module:** DFHPIPL

---

**DFHPI0712 E** date time applid userid PIPELINE pipeline failed to install due to insufficient access rights to a zFS file.

**Explanation**

A NOTAUTH condition was raised when an attempt to read the configuration file (CONFIGFILE) for this pipeline was made.

**System action**

The pipeline is disabled and CICS continues normally.

**User response**

Correct the access for the userid or ensure the correct userid is used for the installation of this pipeline.

**Module:** DFHPIPL

---

**DFHPI0713 E** date time applid userid PIPELINE pipelinename The pipeline resolution transaction CPIR did not attach.

**Explanation**

After the pipeline has been created, it undergoes the resolution process in a separate transaction. However, this transaction was not successfully attached. The pipeline is not installed.

**System action**

Processing continues.
User response
Examine the exception trace entry that shows the cause of the attachment error. Ensure that the CPIR transaction is defined and installed on your CICS system and that the program DFHPIITL is also defined and available.

Module:
DFHPIPL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. pipelinename

Destination
CPIO

DFHPI0714 E  date time applid userid PIPELINE pipeline failed to install. The directory specified in the WSDIR parameter is invalid.

Explanation
The zFS directory specified in the WSDIR parameter is invalid.

System action
The pipeline is NOT installed. CICS continues normally.

User response
Inspect the data specified and ensure that it is correct. Remember that case is important in specifying any zFS filename. Once correct, re-install the pipeline.

Module:
DFHPIPL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. pipeline

Destination
CPIO

DFHPI0715 I  date time applid userid PIPELINE pipeline explicit scan has completed. Number of wsbind files found in the WSDIR directory: num_files. Number of WEBSERVICES created or updated: num_ok. Number of WEBSERVICES not requiring an update: num_nun. Number of failed WEBSERVICE creates or updates: num_failed.

Explanation
The explicit scan for pipeline pipeline has completed. The number of wsbind files found in the directory specified for this pipeline by the WSDIR parameter is reported by num_files. The number that successfully created or updated WebService resources is reported by num_ok, the number that did not require any update is reported by num_nun and the number that failed WebService creation is reported by num_failed.

System action
CICS continues normally.

User response
If num_failed is non-zero, look for previous messages that may describe the errors. PI domain trace entries will also have been written to aid in diagnosing the problem(s).

Module:
DFHPIPL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. pipeline
6. num_files
7. num_ok
8. num_nun
9. num_failed

Destination
CPIO

DFHPI0716 E  date time applid userid Unable to dynamically create a WEBSERVICE for PIPELINE
pipeline. The complete WSBIND file name is too long.

Explanation
An attempt was made to dynamically create a webservice using the name of a wbind file found in the WSDIR directory. The fully-qualified filename is longer than the maximum 255 characters.

System action
The webservice is NOT created. CICS continues normally.

User response
Use a shorter value for the WSDIR directory. The pipeline will need to be discarded and re-installed once the WSDIR parameter has been altered and any wbind files either copied or re-generated to this new directory.

Module: DFHPIPL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. pipeline

Destination CPIO

DFHPI0720 E date time applid userid PIPELINE pipeline encountered an error in the configuration file filename at offset 'X'offset'. Found : element_found yet expected : {<service> | <transport> or <service> | a transport handler list | <service_handler_list> or <terminal_handler> | <handler> | <program> | <handler_parameter_list> | <name> | <cics_soap_1.1_handler> | <cics_soap_1.2_handler> | <header_program> | <service> | <service_handler_list> | <default_target> or a default handler list | <program_name> | <namespace> | <localname> | <mandatory> | true, false, 1 or 0 | <terminal_handler> | <service_parameter_list> | <service>, <transport> or <service_parameter_list> | / | <localname>value</localname> | <namespace>valid value for namespace</namespace> | a tag that is valid within <service_handler_list> | <jvmserver> tag within <cics_soap_1.n_handler_java> | <jvmserver>value</jvmserver> | <repository>value</repository> | <apphandler> | </provider_pipeline_json>.

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**Explanation**

During the pipeline resolution process, the configuration file is parsed and control blocks are built. During this process, an error was encountered. The error was at offset offset. element_found was found when element_expected was expected.

**System action**

The pipeline is set to a DISABLED state and normal processing continues.

**User response**

Correct the configuration file. Ensure that the corrected file has been validated before discarding the pipeline (pipeline) and then re-installing it.

**Module:**

DFHPIPL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. pipeline
6. filename
7. X'offset'
8. element_found
9. Value chosen from the following options:
   1. =<service>,
   2. =<transport> or <service>,
   3. a transport handler list,
   4. =<service_handler_list> or <terminal_handler>,
   5. =<handler>,
   6. =<program>,
   7. =<handler_parameter_list>,
   8. =<name>,
   9. =<cics_soap_1.1_handler>,
   10. =<cics_soap_1.2_handler>,
   11. =<header_program>,
   12. =<service>,
   13. =<service_handler_list>,
   14. =<default_target> or a default handler list,
   15. =<program_name>,
   16. =<namespace>,
   17. =<localname>,
   18. =mandatory>,
   19. =true, false, 1 or 0,
   20. =<terminal_handler>,
   21. =<service_parameter_list>,
   22. =<service>, <transport> or <service_parameter_list>,
   23. =/,
   24. =<localname>value</localname>,
   25. =namespace>valid value for namespace</namespace>,
   26. a tag that is valid within <service_handler_list>,
   27. =<jvmserver> tag within <cics_soap_1.n_handler_java>,
   28. =<jvmserver>value</jvmserver>,
   29. =repository>value</repository>,
   30. =capphandler>,
   31. =</provider_pipeline_json>

**Destination**

CPIO

**DFHPI0721 E**

*date time applid userid PIPELINE pipeline encountered an error in the configuration file filename for pipeline at offset X'offset'. The value attribvalue for attribute attribname is not valid.*

**Explanation**

During the pipeline resolution process, the configuration file is parsed and control blocks are built. During this process, an error was encountered. The error is at the offset indicated. The named attribute was encountered with a value which is not allowed.

**System action**

The pipeline is set to a DISABLED state and normal processing continues.

**User response**

Correct the configuration file. Ensure that the corrected file is validated before discarding the
pipeline (pipeline) and re-installing it. The schema can be checked to find the valid values.

**Module: DFHPIPL**

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. userid  
5. pipeline  
6. filename  
7. X‘offset’  
8. attribvalue  
9. attribname

**Destination**

CPIO

DFHPI0722 E  

**date time applid userid PIPELINE pipeline** encountered an error in the configuration file filename for the pipeline. The value for the algorithm specified for the element is not supported.

**Explanation**

During the pipeline resolution process, the configuration file is parsed and control blocks are built. During this process, an error was encountered. The algorithm URI specified is not supported by CICS.

**System action**

The pipeline is set to a DISABLED state and normal processing continues.

**User response**

Correct the configuration file. Ensure that the corrected file is validated before discarding the pipeline (pipeline) and re-installing it. Check the documentation for supported algorithms.

**Module:** DFHPIPL

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. userid  
5. pipeline  
6. filename

**Destination**

CPIO

DFHPI0723 E  

**date time applid userid PIPELINE pipeline** encountered an error in the configuration file filename for the pipeline. The value for the algorithm specified for the element is not supported.

**Explanation**

During the pipeline resolution process, the configuration file is parsed and control blocks are built. During this process, an error was encountered. The value for the algorithm specified for the element is not supported.

**System action**

The pipeline is set to a DISABLED state and normal processing continues.

**User response**

Correct the configuration file. Ensure that the corrected file is validated before discarding the pipeline (pipeline) and re-installing it. Check the documentation for supported algorithms.

**Module:** DFHPIPL

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. userid  
5. pipeline  
6. filename  
7. element

**Destination**

CPIO

DFHPI0724 E  

**date time applid userid PIPELINE pipeline** encountered an error in the configuration file
filename for the pipeline. The WSSE_Handler configuration has both <authentication> and <sts_authentication> elements specified. You must only specify one of these elements.

**Explanation**

During the pipeline resolution process, the configuration file is parsed and control blocks are built. During this process, an error was encountered. It is an error to specify both <authentication> and <sts_authentication> elements.

**System action**

The pipeline is set to a DISABLED state and normal processing continues.

**User response**

Correct the configuration file. Ensure that the corrected file is validated before discarding the pipeline (pipeline) and re-installing it. Check the documentation for supported algorithms.

**Module:** DFHPIPL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. pipeline
6. filename
7. element

**Destination**

CPIO

DFHPI0726 E  

*date time applid userid PIPELINE pipeline encountered an error in the configuration file filename for the pipeline. The element element is a duplicate or unrecognized element.*

**Explanation**

During the pipeline resolution process, the configuration file is parsed and control blocks are built. During this process, an error was encountered. Based on your current configuration values, CICS has determined that the indicated element is either a duplicate of an existing element, or, it is an unrecognized element.

**System action**

The pipeline is set to a DISABLED state and normal processing continues.

**User response**

Correct the configuration file. Ensure that the corrected file is validated before discarding the pipeline (pipeline) and re-installing it. Check the documentation for supported elements.
Module: DFHPIPL

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. pipeline
6. filename
7. element

Destination

CPIO

DFHPI0727 E  date time applid userid PIPELINE pipeline cannot be installed as it requires support for ICRX based identity tokens and these are not supported by the platform.

Explanation

The pipeline requires support for ICRX based identity tokens. This in turn requires z/OS 1.11 or higher. CICS has determined that the version of z/OS in use is not adequate for installing the pipeline.

System action

The pipeline is set to a DISABLED state and normal processing continues.

User response

Switch to a different form of identity token in the pipeline configuration file, or upgrade to a newer version of z/OS.

Module: DFHPIPL

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. pipeline
6. filename
7. element

Destination

CPIO

DFHPI1029 E  date time applid userid PIPELINE pipeline encountered an error in the configuration file filename at offset X'offset'. The CICS Java SOAP handler cannot be an intermediate message handler.
Explanation
During the pipeline resolution process, CICS parsed the pipeline configuration file and encountered an error. The CICS Java SOAP handler cannot be specified as an intermediate message handler.

System action
The PIPELINE resource is set to a DISABLED state and processing continues.

User response
If required, the CICS Java SOAP handler is specified in the pipeline configuration file by the use of the <cics_soap_1.1_handler_java> or the <cics_soap_1.2_handler_java> element. In a provider pipeline this element must be specified as the terminal handler. In a requester pipeline this element must be specified as the first message handler in the <service_handler_list> element. Correct the pipeline configuration file and reinstall the PIPELINE resource.

Module:
DFHPIPL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. pipeline
6. filename
7. X'offset'

Destination
CPIO and Console

DFHPI0730 date time applid An attempt to register a remote Web service as a participant in unit of work - X'uowid' has failed.

Explanation
An error has been encountered while attempting to register a local webservice as a participant in an atomic transaction, under the coordination of a remote unit of recovery.

System action
The local unit of work is not updated with a link for the remote coordinating transaction, and the local webservice is not invoked. Instead a SOAP fault is returned to the coordinating transaction.

User response
The problem may be the result of a configuration error for one of the pipeline resources that the local region uses. The DFHWSATR pipeline is used to send the registration request and the DFHWSATP pipeline is used to receive a registration response. If either of these are not installed, disabled or incorrectly configured then the message processing that they are intended for may not take place. Alternatively, the
error may be caused by the participant transaction timing out before a registration response is received. This interval is controlled by the value of the wscoor:Expires element in the coordination context that resulted in the registration attempt. Consider extending this time to allow registration to complete successfully. If the problem persists then you need further assistance from IBM to resolve this problem.

**Module:** DFHPIRS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. X'uowid'

**Destination**

CPIO and Console

**DFHPI0732**  
*date time applid* A request to rollback unit of work - *X'uowid'* has been received from a remote WS-AT coordinating transaction.

**Explanation**

During processing of an atomic transaction the remote WS-AT coordinating task has requested that CICS rolls back the specified unit of work.

**System action**

The specified unit of work will be rolled back.

**User response**

None.

**Module:** DFHPIRS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. X'uowid'

**Destination**

CPIO

**DFHPI0733**  
*date time applid* A transaction timed out while waiting for a

**Prepare message from a remote WS-AT coordinator. The unit of work - *X'uowid'* will be rolled back.**

**Explanation**

A CICS transaction waiting for a Prepare message from a remote WS-AT coordinator has timed out.

**System action**

The specified unit of work will be rolled back.

**User response**

None.

**Module:** DFHPIPM

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. X'uowid'

**Destination**

CPIO

**DFHPI0734**  
*date time applid* Error 'exception' occurred whilst configuring PIPELINE pipeline within a JVMserver.

**Explanation**

A Java exception was caught while CICS was attempting to configure PIPELINE pipeline for a JVM server. The message associated with the exception is 'exception'.

**System action**

The associated PIPELINE resource is disabled.

**User response**

Fix the problem reported by the exception and then reinstall the PIPELINE resource.

**Module:** com.ibm.cicsts.axis2.PipelineConfigurationHandler

**XMEOUT parameters/Message inserts**

1. date
Destination
CPIO

DFHPI0735 E  

| date | time | applid | Error 'exception' occurred whilst configuring WEBSERVICE webservice within a JVMSERVER. |

Explanation
A Java exception was caught while CICS was attempting to configure WEBSERVICE webservice for a JVM server. The message associated with the exception is exception.

System action
The associated WEBSERVICE is unavailable for use.

User response
Fix the problem reported by the exception and then reinstall the WEBSERVICE resource.

Module:
com.ibm.cicsts.axis2.CICSAxis2ApplicationHandler

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. exception
5. webservice

Destination
CPIO

DFHPI0736 E  

| date | time | applid | PIPELINE pipeline encountered an error in the configuration file filename for the pipeline. The file has both <apphandler> and <apphandler_class> elements specified. You may only specify one of these elements. |

Explanation
During the pipeline resolution process, the configuration file is parsed and control blocks are built. During this process, an error was encountered. It is an error to specify both <apphandler> and <apphandler_class> elements.

System action
The pipeline is set to a DISABLED state and normal processing continues.

User response
Correct the configuration file. Ensure that the corrected file is validated before discarding the pipeline (pipeline) and re-installing it.

Module:
DFHPIPL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. pipeline
5. filename

Destination
CPIO

DFHPI0737 E  

| date | time | applid | PIPELINE pipeline encountered an error in the configuration file filename for the pipeline. Configuration for {endpoint cics://PROGRAM/DFHSAML | sts_authentication attribute extract | sts_authentication attribute token_signature | jvmserver element / auth_token_type namespace for SAML 1.1 or SAML 2.0 assertions | sts_authentication attribute tran_channel} implies configuration for the SAML security token service. This requires {a provider mode pipeline. | sts_authentication element attribute action=validate. | auth_token_type namespace for SAML 1.1 or SAML 2.0 assertions.} |
Explanation

During the pipeline resolution process, the configuration file is parsed and control blocks are built. During this process, an error was encountered. Incompatible configuration elements or attributes have been specified for the CICS security token service.

System action

The pipeline is set to a DISABLED state and normal processing continues.

User response

Correct the configuration file. Ensure that the corrected file is validated before discarding the pipeline (pipeline) and re-installing it.

Module:

DFHPIPL

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. pipeline
5. filename
6. Value chosen from the following options:
   1=endpoint cics://PROGRAM/DFHSAML,
   2=sts_authentication attribute extract,
   3=sts_authentication attribute token_signature,
   4=jvmserver element,
   5=auth_token_type namespace for SAML 1.1 or SAML 2.0 assertions,
   6=sts_authentication attribute tran_channel
7. Value chosen from the following options:
   1=a provider mode pipeline.,
   2=sts_authentication element attribute action=validate.,
   3=auth_token_type namespace for SAML 1.1 or SAML 2.0 assertions.

Destination

CPIO

DFHPI0800 E  date time applid  Atomic Transaction processing failed

Explanation

During processing for an Atomic Transaction, the SOAP message is parsed by a SAX parser. The parser has detected an error (errcode) at offset offset into the message. The first eight bytes of data (hexdata) are printed to aid problem resolution.

System action

The transaction abends.

User response

Obtain trace entries (level 2 for the PI domain is required) and pass these onto your IBM service representative.

You will need further assistance from IBM to resolve this problem. See Part 4 of the Troubleshooting and support for guidance on how to proceed.

Module:

DFHPIAT

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. X'errcode'
6. X'offset'

Destination

CPIO

DFHPI0801I E  date time applid  A one way message has been found in an atomic transaction message exchange for transaction TRAN.

Explanation

The Web service atomic transactions header handler in the pipeline has detected that a one way message flow has been sent as part of the atomic transaction message flows. This is not permitted.
System action
The Web service atomic transactions handler has issued a trace and abended. A SOAP fault message has also been sent to the client to indicate that CICS has detected an error.

User response
The error is in the client that sent an invalid atomic transactions message to CICS. If you have control over the client system, investigate why it is attempting to use one way messages as part of the atomic transaction.

Module: DFHWSATH

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. TRAN

Destination
CPIO and Console

DFHPI0901 I  date time applid userid
WEBSERVICE WebService is being created during a scan against PIPELINE Pipeline.

Explanation
A new WSBIND file has been discovered on zFS during a scan. A corresponding CICS WEBSERVICE resource is being automatically created to represent it.

System action
None.

User response
None.

Module: DFHPISC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. WebService
6. Pipeline

Destination
CPIO

DFHPI0902 I  date time applid userid
WEBSERVICE WebService is being updated during a scan against PIPELINE Pipeline.

Explanation
An update has been detected for a WEBSERVICE resource. CICS compares the last modification time of the WSBIND file on zFS with the last modification time stored in the WEBSERVICE resource definition. If the WSBIND file on zFS is newer than the currently installed resource, the WEBSERVICE resource is updated. This process involves discarding the existing definition and installing a new one.

System action
If there is 'inflight' activity outstanding for this WEBSERVICE then the update will complete after that workload has ended.

User response
None.

Module: DFHPISC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. WebService
6. Pipeline

Destination
CPIO

DFHPI0903 I  date time applid userid
URIMAP UriMap is being created during a scan against PIPELINE Pipeline for WEBSERVICE WebService.
Explanation
A new URIMAP resource is being installed during a scan of a PIPELINE.

System action
None.

User response
None.

Module:
DFHPISC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. UriMap
6. WebService
7. Pipeline
8. Uri

Destination
CPIO

DFHPI0904I date time applid userid URIMAP could not be created for WEBSERVICE WebService in PIPELINE Pipeline. The URI that could not be allocated is: 'Uri'.

Explanation
An attempt to automatically create a URIMAP for a scanned WEBSERVICE failed. This is probably because the URI specified in the wsbind file is already in use by another URIMAP.

System action
None.

User response
None.

Module:
DFHPISC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. UriMap
6. WebService
7. Pipeline
8. Uri

Destination
CPIO

DFHPI0905 E date time applid userid WEBSERVICE WebService within PIPELINE Pipeline cannot check for archive file because the WSDL name Name is too long.

Explanation
During the creation of WEBSERVICE WebService CICS attempts to locate the WSDL archive file in the WSDIR directory. The name of the archive file is based on the WSDL name, replacing the file name extension with '.zip'. The fully-qualified file name is longer than the maximum length of 255 characters.

System action
The WEBSERVICE resource installation continues but the ARCHIVEFILE attribute is not populated.

User response
Use a shorter value for the WSDIR directory or WSDL file name.

Module:

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. WebService
6. Pipeline
7. Name

Destination
CPIO

DFHPI0906 E date time applid userid WEBSERVICE WebService within
**Explanation**

CICS cannot generate the URIMAP resource that discovers WSDL for WEBSERVICE WebService. The path for the generated URIMAP resource is based on the URI appending query string '?wsdl'. The generated path is longer than the maximum length of 255 characters.

**System action**

The WEBSERVICE resource installation continues but the URIMAP for WSDL discovery is not generated.

**User response**

Use a shorter URI or manually create a URIMAP that uses a suitable path to discover the WSDL.

**Module:**

DFHPI0910 I

**XMEOUT parameters/Message inserts**

1. date
d. time
3. applid
4. userid
5. WebService
6. Pipeline
7. Uri

**Explanation**

WEBSERVICE WebService was not created. This error may be caused if the specified PIPELINE is not installed.

**System action**

The WEBSERVICE is not created.

**User response**

Ensure that the specified PIPELINE resource is installed and try again.

**Module:**

DFHPI0910 I

**XMEOUT parameters/Message inserts**

1. date
d. time
3. applid
4. userid
5. WebService
6. Pipeline
7. Value chosen from the following options:
   1 = there is insufficient storage,
   2 = there is a directory domain error,
   3 = the specified PIPELINE is not installed,
   4 = a lock cannot be obtained,
   5 = there is a duplicate resource error

**Destination**

CPIO

**DFHPI0912 I**  
*date time applid userid*

**WebService WebService** was successfully discarded.

**Explanation**

The WEBSERVICE was successfully discarded and is no longer available for use.

**System action**

Processing continues.

**User response**

None.

**Module:** DFHPIWR

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. userid  
5. WebService

**Destination**

CPIO

**DFHPI0914 E**  
*date time applid userid*

WEBSERVICE WebService is UNUSABLE because: *(the WSBind file was not found | CICS is not authorized to read the WSBind file | there is insufficient storage to load the WSBind file | the zFS read for the WSBind file failed | writing the WSBind file to the shelf failed | the PIPELINE is incompatible with this WEBSERVICE | the CPIR resolution transaction could not be attached | the direction of the PIPELINE can't be determined | the WSBind file is corrupt | the WSBind file has an invalid version number | the WSBind file has an out of date version number | the WSBind file product number was not recognized | the PIPELINE is not a SOAP PIPELINE | the PIPELINE does not support SOAP version 1.2 | the PIPELINE is not configured for SOAP version 1.1 | the WSBind file is incompatible with the LOCALCCSID | it is incompatible with a Bundle defined PIPELINE | the associated JVMSERVER does not support CICS z/OS Connect | the WSBind file defines too many operations for JSON | the WSBind file could not be configured for JSON | the WSBind file specifies an unsupported CCSID | the WSBind

**Explanation**

A discard of a WEBSERVICE has been started but cannot complete at this time as 'inflight' work is outstanding.
file specifies RESTful. This is not supported in non-Java JSON processing).

Explanation
The WEBSERVICE failed to complete initialization.

System action
The WEBSERVICE has been put into the UNUSABLE state.

User response
Check that the CICS region id has permission to write to the PIPELINE resource's shelf directory structure. Check that the WSBind file exists and that CICS has read permission for it. Check that the WSDL file, if specified, exists and that CICS has read permission for it.

Check that the PIPELINE resource into which the WEBSERVICE is being installed is enabled and valid. Ensure that the correct definitions exist in the CICS CSD for the Language Environment version currently in use.

Consider how the WSBind file has been produced. It must be recognized as a valid WSBind file. If it is transferred between systems then this must be done in binary mode in order to avoid corruption of the file.

If there is an invalid version number, the WSBind file is not compatible with this version of CICS. Regenerate the WSBind file using an appropriate Runtime Level for this version of CICS.

If a problem is reported with the LOCALCCSID then regenerate the WSBind file using the Web services Assistants and add the CCSID parameter. By default WSBind files are built to be compatible with US EBCDIC. CICS has detected that the LOCALCCSID is not compatible with US EBCDIC, so the WSBind file will have to be regenerated.

If an unsupported CCSID is reported for the WSBind file, regenerate the WSBind file using the Web services Assistants and specify a supported CCSID value.

Check that if the WEBSERVICE represents an application in CICS that is going to implement a WebService then the PIPELINE is also configured in provider mode. Conversely, if the WEBSERVICE represents a WebService running on a remote server then the PIPELINE is configured in requester mode. Check that the PIPELINE has been installed without errors.

A provider mode WEBSERVICE is one for which no PROGRAM has been specified. The PROGRAM name (if needed) must be specified at the time that the WSBind file is generated.

If the PIPELINE is Bundle defined, ensure the WEBSERVICE is compatible, either create by BUNDLE or PIPELINE SCAN.

Check that you are using the correct WSBind file - for example, ensure that you are not trying to use a WSBind file that was generated for a SOAP web service in a JSON web service.

Discard and reinstall the WEBSERVICE.

If the problem persists you may need to use the trace facility to determine the cause of the problem.

Module:
DFHPIWR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. WebService
6. Value chosen from the following options:
   1=the WSBind file was not found,
   2=CICS is not authorized to read the WSBind file,
   3=there is insufficient storage to load the WSBind file,
   4=the zFS read for the WSBind file failed,
   5=writing the WSBind file to the shelf failed,
   6=the PIPELINE is incompatible with this WEBSERVICE,
   7=the CPIR resolution transaction could not be attached,
   8=the direction of the PIPELINE can't be determined,
   9=the WSBind file is corrupt,
   10=the WSBind file has an invalid version number,
   11=the WSBind file has an out of date version number,
   12=the WSBind file product number was not recognized,
   13=the PIPELINE is not a SOAP PIPELINE,
   14=the PIPELINE does not support SOAP version 1.2,
15=the PIPELINE is not configured for SOAP version 1.1,
16=the WSBind file is incompatible with the LOCALCCSID,
17=it is incompatible with a Bundle defined PIPELINE,
18=the associated JVMSERVER does not support CICS z/OS Connect,
19=the WSBind file defines too many operations for JSON,
20=the WSBind file could not be configured for JSON,
21=the WSBind file specifies an unsupported CCSID,
22=the WSBind file specifies RESTful. This is not supported in non-Java JSON processing

Destination
CPIO

DFHPI0915 I  date time applid userid
WEBSERVICE WebService is now INSERVICE and is ready for use.

Explanation
The WEBSERVICE has completed initialization and is ready for use.

System action
Processing continues.

User response
None.

Module:
DFHPWR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. WebService

Destination
CPIO

DFHPI0917 W  date time applid userid
WEBSERVICE WebService might perform unpredictably as the PIPELINE Pipeline is non-SOAP.

Explanation
The WEBSERVICE has been installed into a non-SOAP PIPELINE and might not work as expected.

System action
Processing continues.
User response
Examine the PIPELINE definition to determine if SOAP support has been correctly configured.

Module:
DFHPIWR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. WebService
6. Pipeline

Destination
CPIO
DFHPI0918 E date time applid userid
WEBSERVICE WebService within PIPELINE Pipeline can not be set as INSERVICE because the specified PIPELINE is not installed.

Explanation
WEBSERVICE WebService was not set as INSERVICE. This error is caused if the specified PIPELINE is not installed.

System action
The WEBSERVICE is not created.

User response
Ensure that the specified PIPELINE resource is installed and try again.

Module:
DFHPIWR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. WebService
6. Pipeline

Destination
CPIO
DFHPI0919 E date time applid userid
The WSDL file filename for WEBSERVICE WebService cannot be read because: {CICS is not authorized to read the file | the zFS read for the file failed}.

Explanation
A problem occurred reading a WSDL document during a PIPELINE SCAN.

System action
The SCAN processing continues.

User response
Check that CICS has permission to read the WSDL file.
Check that the WSDL file has been stored correctly.

Module:
DFHPISC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. filename
6. WebService
7. Value chosen from the following options:
   1=CICS is not authorized to read the file,
   2=the zFS read for the file failed

Destination
CPIO
DFHPI0996 E date time applid userid
The Outbound Router program, DFHPIRT, has received a non-NORMAL response while attempting to read a container. The resulting error code is X’code’ and the container name is container_name.
Explanation

The outbound router program, DFHPIRT, was unable to successfully operate as a trust client as it was unable to read a required container. A non-NORMAL response was returned from the EXEC CICS GET CONTAINER call. If the code was '099D'X a CONTAINERERR was returned. The code '099E'X indicates that a LENGERR was returned.

System action

The program abends.

User response

Ensure that the named container has been created and populated correctly before linking to the outbound router program.

Module:

DFHPIRT

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. X'code'
5. container_name

Destination

CPIO

DFHPI0997  date time applid tranid PIPELINE pipeline WEBSERVICE webservice

The CICS pipeline manager has encountered an error: (PIPELINE not found | PIPELINE not active | PIPELINE mode mismatch | unhandled node failure | context switch failed | request stream creation failure | request stream transport error | target program unavailable or abended | channel error | channel not found | URI not found | invalid URI | authorization failure | program abend | unidentified problem | timeout occurred | no request message | there was a problem with file PIDIR | attempt to register a WS-AT context twice | empty DFHREQUEST container returned from a handler | req and resp containers both returned from a handler | empty DFHRESPONSE container returned from a handler | chunking request from non-terminal node | chunking request is incompatible with MTOM/XOP | chunking request not supported for this transport | transport function failed | bad mime type | failure to receive request | failure to send response to WS-Addressing endpoint).

Explanation

The Pipeline Manager encountered a problem whilst attempting to process a message. This might be due to one of the following:

- A configuration error or an unexpected event.
- An abandoned connection attempt due to an exceeded DTIMEOUT. This causes message DFHPI0400 to be issued.
- An exceeded RESPWAIT timeout while waiting for a response.
- An unexpected response from a handler program on the pipeline.

System action

None.

User response

Examine the trace and any prior messages to determine why the Pipeline Manager failed.

Module:

DFHPIPM

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. pipeline
6. webservice
7. Value chosen from the following options:

   1=PIPELINE not found,
   2=PIPELINE not active,
   3=PIPELINE mode mismatch,
   4=unhandled node failure,
   5=context switch failed,
6=request stream creation failure,
7=request stream transport error,
8=target program unavailable or abended,
9=channel error,
10=channel not found,
11=URI not found,
12=invalid URI,
13=authorization failure,
14=program abend,
15=unidentified problem,
16=timeout occurred,
17=no request message,
18=there was a problem with file PIDIR,
19=attempt to register a WS-AT context twice,
20=empty DFHREQUEST container returned from a handler,
21=req and resp containers both returned from a handler,
22=empty DFHRESPONSE container returned from a handler,
23=chunking request from non-terminal node,
24=chunking request is incompatible with MTOM/XOP,
25=chunking request not supported for this transport,
26=transport function failed,
27=bad mime type,
28=failure to receive request,
29=failure to send response to WS-Addressing endpoint

Explanation
The Outbound Router program, DFHPIRT, was unable to successfully start the pipeline as it was unable to obtain the pipeline name from the DFHWS-PIPELINE container. A non-NORMAL response was returned from the EXEC CICS GET CONTAINER call. If the code was '099D'X then a CONTAINERERR was returned. The code '099E'X indicates that a LENGERR was returned.

System action
The program abends with an APIC abend.

User response
Examine the trace to determine why the Outbound Router failed. Ensure that the DFHWS-PIPELINE container has been created correctly before linking to the Outbound Router program, DFHPIRT, and that the pipeline name placed in this container is not larger than eight characters.

Module:
DFHPIRT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'code'

Destination
CPIO

DFHPI0998  date time applid tranid The CICS pipeline manager has encountered a problem with file DFHPIDIR: {the file was not found | the file key length was too small | the file record size was too small | the file is full | the file control record is full | file recovery mode was not backout | there was an internal error | file failed to open or connect}.

Explanation
The pipeline manager encountered a problem attempting to open file DFHPIDIR. This might be due to one of the following:

- The file might not exist.
- The file definition might not have been installed.
- The file key length is too small.
• The file record length is too small.
• The file is full.
• The file control record is full.
• The file recovery mode was not specified as backout.
• The file could not be connected to or opened.
• An internal error occurred.

System action
Processing is aborted. A SOAP fault is returned to the client.

User response
Examine the trace to determine why the pipeline manager failed.

Module:
DFHPIIM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1=the file was not found,
   2=the file key length was too small,
   3=the file record size was too small,
   4=the file is full,
   5=the file control record is full,
   6=file recovery mode was not backout,
   7=there was an internal error,
   8=file failed to open or connect

Destination
CPIO

DFHPI1001  date time applid  Validation of a {request | response} message for WEBSERVICE webservicename and operation operationname failed.
The failure response contains the following message: 'message'.

Explanation
Validation was requested for operation operationname of WEBSERVICE webservicename. The validation has been attempted and failed. Either the incoming SOAP message does not match the WSDL specified or there was a problem reading the WSDL.

System action
None.

User response
Consider the detailed message. It will indicate the nature of the problem. Usually this will include a @QKC message from the XML parser used to do the validation and will indicate a rule that has been broken by the SOAP message. If the problem is with a SOAP message sent to CICS then change the partner system to correct the SOAP message. If the problem is with a SOAP message generated by CICS then determine if the problem can be fixed by changing the CICS application. If the problem is caused by CICS then
contact your IBM support representative for further assistance.

If the message indicates that the WSDL document cannot be found then this may be because the WEBSERVICE resource does not indicate the 'Wsdlfile' to use. The WSDL document must be specified when the WEBSERVICE resource is created. If you use the PIPELINE scan mechanism to create WEBSERVICE resources then you should ensure that a copy of the WSDL is included in the PIPELINE's 'Wsdir' directory along with the WSBind file.

**Module:**
DFHPITL, DFHPIIW

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. Value chosen from the following options:
   - 1=request,
   - 2=response
5. webservicename
6. operationname
7. message

**Destination**

CPIO

| DFHPI1002 | date time applid Validation of a {request | response} message for WEBSERVICE webservicename and operation operationname was successful. |
|-----------|--------------------------------------------------------------------------------------------------------------------------|

**Explanation**

Validation was requested for a particular operation, operationname, for webservice webservicename. The validation has been performed successfully.

**System action**

None.

**User response**

None.

**Module:**
DFHPITL, DFHPIIW

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. Value chosen from the following options:
   - 1=request,
   - 2=response
5. webservicename
6. operationname

**Destination**

CPIO

<table>
<thead>
<tr>
<th>DFHPI1003</th>
<th>date time applid No current channel located. Validation cannot occur.</th>
</tr>
</thead>
</table>

**Explanation**

Validation was requested for a particular operation. This requires that a channel exists with containers present. No current channel could be found. Validation cannot occur in this situation.

**System action**

Validation is not attempted. The application program is invoked as though validation had not been requested.

**User response**

None.

**Module:**
DFHPITL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid

**Destination**

CPIO

<table>
<thead>
<tr>
<th>DFHPI1004</th>
<th>date time applid The attempt to link to DFHPIVAL to perform validation failed.</th>
</tr>
</thead>
</table>

**Explanation**

Validation was requested for a particular operation, operationname, for webservice webservicename. The validation has been performed successfully.
**Explanation**

Validation was requested for a particular operation. This requires linking to program DFHPIVAL. The link to the program failed. Validation cannot occur without this program.

**System action**

Validation is not attempted. Processing continues. The application program is invoked as though validation had not been requested.

**User response**

Ensure that the CSD in use has the definition for DFHPIVAL included.

**Module:** DFHPITL, DFHPIIW

---

**XMEOUT parameters/Message inserts**

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>1</td>
<td>date</td>
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<tr>
<td>2</td>
<td>time</td>
</tr>
<tr>
<td>3</td>
<td>applid</td>
</tr>
</tbody>
</table>

**Destination**

CPIO

**DFHPI1005**

*date time applid* Attempt to link to program programname failed. SOAP conversions cannot be performed.

*Module: modname.*

**Explanation**

SOAP conversion to a format suitable for a CICS application failed. The link to a vendor supplied program programname failed. The webservice cannot be used without this program.

**System action**

The attempt to use the webservice is aborted. A soap fault is returned to the client. If the failure occurs during an INVOKE WEBSERVICE API command, i.e. the issuing module for this message is DFHPIIW, appropriate EIBRESP and EIBRESP2 codes are returned to the application program.

**User response**

Ensure that the WEBSERVICE definition for WebService refers to the correct WSBIND file and that the file has been properly produced.

*Module:*

DFHPITL, DFHPIIW

---

**XMEOUT parameters/Message inserts**

<p>| | |</p>
<table>
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<tr>
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<tr>
<td>1</td>
<td>date</td>
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<td>2</td>
<td>time</td>
</tr>
<tr>
<td>3</td>
<td>applid</td>
</tr>
<tr>
<td>4</td>
<td>WebService</td>
</tr>
<tr>
<td>5</td>
<td>modname</td>
</tr>
</tbody>
</table>

**Destination**

CPIO

**DFHPI1006**

*date time applid* The WSBIND file used for WEBSERVICE WebService is not a type which CICS can use.

*Module: modname.*

---

**EXPLANATION**

The product which produced the WSBIND file is not one which CICS knows how to handle. As such, it is not possible to invoke the webservice WebService.

**System action**

The attempt to use the webservice is aborted. A soap fault is returned to the client. If the failure occurs during an INVOKE WEBSERVICE API command, i.e. the issuing module for this message is DFHPIIW, appropriate EIBRESP and EIBRESP2 codes are returned to the application program.

**User response**

Ensure that the WEBSERVICE definition for WebService refers to the correct WSBIND file and that the file has been properly produced.

*Module:*

DFHPITL, DFHPIIW

---

**XMEOUT parameters/Message inserts**

<p>| | |</p>
<table>
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<tr>
<th></th>
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<tr>
<td>1</td>
<td>date</td>
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<tr>
<td>2</td>
<td>time</td>
</tr>
<tr>
<td>3</td>
<td>applid</td>
</tr>
<tr>
<td>4</td>
<td>WebService</td>
</tr>
<tr>
<td>5</td>
<td>modname</td>
</tr>
</tbody>
</table>

**Destination**

CPIO

**DFHPI1007**

*DATE TIME APPLID TRANID TRANNUM {XML | JSON} to data*
transformation failed because of incorrect input

XML_FORMAT_ERROR error_type
The XML or JSON is not well formed. See the trace for further details.

UNEXPECTED_CONTENT
Character data has been found between two XML tags at a place where such text was not expected.

HEADER_FORMAT_ERROR
There is a problem reading the namespace attributes from the XML namespaces container.

UNDEFINED_ELEMENT element_name
The XML includes an unexpected XML tag, or the JSON includes an unexpected JSON object.

UNDEFINED_NAME_SPACE name_space
The XML includes an XML namespace prefix that has not been defined.

ARRAY_OVERFLOW array_name
Too many instances of an array or list of tags has been found in the XML.

NAME_TOO_LONG
An XML tag name longer than 255 characters has been found.

PREFIX_TOO_LONG
An XML namespace prefix longer than 255 characters has been found.

NAME_SPACE_TOO_LONG
An XML namespace name longer than 255 characters has been found.

UNEXPECTED_XOP_INCLUDE
An xop:Include element should only appear in place of the data for a base64binary field, but was found in some other context.

XOP_INCLUDE_ERROR
An xop:include element was found in a valid context, but the referenced attachment could not be found.

DUPLICATE_CHOICE element_name
A second entry has been found from a mutually exclusive group of options. Only the first option that was found was expected.

MISSING_XSI_TYPE element_name
An xsi:type attribute was expected for the XML tag but could not be found.

Explanation
CICS has failed to convert some XML or JSON data into application data. In the case of XML, this may be the body of a SOAP message received from a partner process. The reason for the failure is due to a problem with the content of the XML. The XML is either not well formed, invalid with respect to the XML schema or does not conform to one of the internal constraints of the CICS XML or JSON transformation service. An error_qualifier may be provided to help identify the source of the problem. In some cases the error_qualifier will be empty.

The possible error codes and qualifiers associated with this message are:
UNKNOWN_XSI_TYPE type_name
An xsi:type attribute was found for a data type that is not supported. Data types are supported only if they were present in the original XML schema.

MISSING_ATTRIBUTE attribute_name element_name namespace
A required attribute with the specified name and namespace was expected but is missing from the specified XML tag. No default value is known for the attribute. If the namespace is not specified, the XML attribute must not be qualified with a namespace.

MIXED_CONTENT element_name
The identified element included character data that is not marked up with XML tags. These characters are only tolerated if the XML schema specified mixed="true" for the element.

MISSING_EQUALS_ATTR attribute_name element_name
The identified element has an attribute that is missing an equals character prior to its value; for example, <tag attribute=value"> instead of <tag attribute="value">.

MISSING_CLOSE_TAG_CHAR element_name
The identified element is missing a '>', character. The tag might be a self closing tag that would normally take the following form: <tag/>.

MISSINGQUOTE_OR_APOSTROPHE attribute_name element_name
The identified element has an attribute that is missing a delimiter for its value; for example, <tag attribute=value"> instead of <tag attribute="value">.

MISSING_ENDQUOTE attribute_name element_name
The identified element has an attribute that is missing its terminating value delimiter; for example, <tag attribute="value> instead of <tag attribute="value">.

DUPLICATE_ATTRIBUTE attribute_name element_name
The identified element has two attributes with the same name.

MISMATCHED_TAGS start_tag_name end_tag_name
A pair of opening and closing XML tags do not match; for example, <open></close> rather than <open></open>.

UNSUPPORTED_ENTITY entity_name
An unsupported entity has been found in the XML.

INVALID_UNICODE_DATA element_name
An XML tag contains invalid Unicode data.

System action
The XML or JSON conversion process halts.
If CICS is acting as a Web service provider, a SOAP Fault message (in the case of SOAP) or an error message (in the case of JSON) is returned to the requestor. If CICS is acting as a Web service requester, a response code of INVREQ is returned to the calling application program with a RESP2 code of 14. If CICS is processing a TRANSFORM command, an INVREQ is returned with a RESP2 code of 3.

An exception entry is written to the trace table.

User response
Examine the exception trace entry for further information. Consider using the WEBSERVICE or XMLTRANSFORM validation option to test that the XML is valid for the schema.

XML is case sensitive. Ensure that the XML element, attribute, and namespace names used within the XML are correct with respect to the schemas that describe the XML.

Correct or change the partner process to ensure that the XML sent to CICS is appropriate to be consumed by CICS.

If a SOAP or JSON message is changed by a handler program as part of the CICS Pipeline processing then ensure that the handler has not introduced this problem. Confirm that the Pipeline is suitable for the request data; for example, JSON data should not be processed by a SOAP pipeline, or that an Application handler program such as DFHPITP isn't used as a Terminal handler.

Module:
DFHPICC, DFHPIJP

XMEOUT parameters/Message inserts
1. DATE
2. TIME
3. APPLID
4. TRANID
5. TRANNUM
6. Value chosen from the following options:
1=XML,
2=JSON

7. Value chosen from the following options:
   1=XML_FORMAT_ERROR,
   2=UNEXPECTED_CONTENT,
   3=HEADER_FORMAT_ERROR,
   4=UNDEFINED_ELEMENT,
   5=UNDEFINED_NAME_SPACE,
   6=ARRAY_OVERFLOW,
   7=NAME_TOO_LONG,
   8=PREFIX_TOO_LONG,
   9=NAME_SPACE_TOO_LONG,
   10=UNEXPECTED_XOP_INCLUDE,
   11=XOP_INCLUDE_ERROR,
   12=DUPPLICATE_CHOICE,
   13=MISSING_XSI_TYPE,
   14=UNKNOWN_XSI_TYPE,
   15=MISSING_ATTRIBUTE,
   16=MIXED_CONTENT,
   17=MISSING_EQUALS_ATTR,
   18=MISSING_CLOSE_TAG_CHAR,
   19=MISSINGQUOTE_OR_APOSTROPHE,
   20=MISSING_ENDQUOTE,
   21=DUPPLICATE_ATTRIBUTE,
   22=MISMATCHED_TAGS,
   23=UNSUPPORTED_ENTITY,
   24=INVALID_UNICODE_DATA

8. error_qualifier

9. Value chosen from the following options:
   1=WEBSERVICE,
   2=XMLTRANSFORM,
   3=BUNDLE,
   4=EVENTBINDING,
   5=SCACOMPOSITE,
   6=JVMSERVER pipeline handler program,
   7=EPADAPTER,
   8=OSGIBUNDLE,
   9=PROGRAM,
   10=POLICY,
   11=EPADAPTERSET,
   12=APPLDEF,
   13=TRANSACTION,
   14=URIMAP,
   15=PLATDEF,
   16=LIBRARY,
   17=WARBUNDLE,
   18=EBABUNDLE,
   19=TCPIPSERVICE,
   20=JVMSERVER,
   21=FILE,
   22=PIPELINE,
   23=JSONTRANSFRM,
   24=EARBUNDLE,
   25=PACKAGESET,
   26=NODEJSAPP,
   99=TYPE UNKNOWN

10. resource_name

**Destination**

CPIO

| DFHP11008 | DATE TIME APPLID TRANID | TRANNUM {XML | JSON} generation failed because of incorrect input {{ARRAY CONTAINER TOO SMALL | DATA_STRUCTURE TOO SMALL | ARRAY TOO LARGE | ARRAY TOO SMALL | CONTAINER NOT FOUND | CONTAINER NOT BIT | CONTAINER NOT CHAR | BAD_CHOICE_ENUM | LENGTH_TOO_LONG | LITTLE_ENDIAN_BOM | INVALID_UNICODE_DATA} error qualifier} for {WEBSERVICE | XMLTRANSFORM | BUNDLE | EVENTBINDING | SCACOMPOSITE | JVMSERVER pipeline handler program | EPADAPTER | OSGIBUNDLE | PROGRAM | POLICY | EPADAPTERSET | APPLDEF | TRANSACTION | URIMAP | PLATDEF | LIBRARY | WARBUNDLE | EBABUNDLE | TCPIPSERVICE | JVMSERVER | FILE | PIPELINE |
Explanation

CICS has failed to generate XML or JSON due to a problem with the data received from the CICS application. An error_qualifier may be provided to help identify the source of the problem. In some cases the error_qualifier will be empty.

The possible error codes and qualifiers associated with this message are:

**ARRAY_CONTAINER_TOO_SMALL** array_name

A CICS container does not hold sufficient data given the number of instances of the data expected and the length of one instance of the data.

**DATA_STRUCTURE_TOO_SMALL** expected_length

The container passed to CICS does not hold the expected quantity of data. There are several possible causes for this problem including:

- The binding file and the application are out of step. For example, CICS may be expecting data consistent with version 1 of an application, but the application has been updated to version 2. In which case, the binding file needs updating and redeploying.
- A provider mode Web service may have failed to populate the data container prior to exiting. CICS may be receiving the same data as output that it originally passed to the Web service as input.
- The application may be deliberately truncating the data it passes to CICS.

**ARRAY_TOO_LARGE** array_name

Too many instances of a structure have been supplied in a container given the maximum value specified in the XML schema.

**ARRAY_TOO_SMALL** array_name

Too few instances of a structure have been supplied in a container given the minimum value specified in the XML schema.

**CONTAINER_NOT_FOUND** container_name

A container named in the input structure cannot be found.

**CONTAINER_NOT_BIT** container_name

A container named in the input structure exists but is of the wrong type. The container must be created in BIT mode rather than CHAR mode.

**CONTAINER_NOT_CHAR** container_name

A container named in the input structure exists but is of the wrong type. The container must be created in CHAR mode rather than BIT mode.

**BAD_CHOICE_ENUM** enum_name

An enumerated value in the input structure has been set to an invalid value.

**LENGTH_TOO_LONG** field_name

The length value specified for this field is longer than the maximum length permitted for the field. For example, the maximum length of the field may be 255 characters, but the length may have been initialized to x'4040' which indicates 16448 characters of data.

**LITTLE_ENDIAN_BOM** field_name

The Byte Order Marker for a UTF-16 field contains an unexpected Little Endian BOM. If a BOM character is used then it must be Big Endian.

**INVALID_UNICODE_DATA** field_name

A UTF-16 field contained an invalid code point.

System action

The XML or JSON conversion process halts.

If CICS is acting as a Web service provider, a SOAP Fault message (in the case of SOAP) or an error message (in the case of JSON) is returned to the requester. If CICS is acting as a Web service requester, a response code of INVREQ is returned to the calling application program with, in most cases, a RESP2 code of 14. If CICS is processing a TRANSFORM command, an INVREQ is returned with a RESP2 code of 5.

An exception entry is written to the trace table.

User response

Examine the exception trace entry for further information.

Correct the CICS application to ensure that the data presented to CICS is appropriate to be converted into XML or JSON.

Module:

DFHPIII, DFHPIJG

XMEOUT parameters/Message inserts

1. **DATE**
2. **TIME**
3. **APPLID**
4. **TRANID**
5. TRANNUM
6. Value chosen from the following options:
   1=XML,
   2=JSON
7. Value chosen from the following options:
   1=ARRAY_CONTAINER_TOO_SMALL,
   2=DATA_STRUCTURE_TOO_SMALL,
   3=ARRAY_TOO_LARGE,
   4=ARRAY_TOO_SMALL,
   5=CONTAINER_NOT_FOUND,
   6=CONTAINER_NOT_BIT,
   7=CONTAINER_NOT_CHAR,
   8=BAD_CHOICE_ENUM,
   9=LENGTH_TOO_LONG,
   10=LITTLE_ENDIAN_BOM,
   11=INVALID_UNICODE_DATA
8. error_qualifier
9. Value chosen from the following options:
   1=WEBSERVICE,
   2=XMLTRANSFORM,
   3=BUNDLE,
   4=EVENTBINDING,
   5=SCACOMPOSITE,
   6=JVMSERVER pipeline handler program,
   7=EPADAPTER,
   8=OSGIBUNDLE,
   9=PROGRAM,
   10=POLICY,
   11=EPADAPTERSET,
   12=APPLDEF,
   13=TRANSACTION,
   14=URIMAP,
   15=PLATDEF,
   16=LIBRARY,
   17=WARBUNDLE,
   18=EBABUNDLE,
   19=TCPIPSERVICE,
   20=JVMSERVER,
   21=FILE,
   22=PIPELINE,
   23=JSONTRANSFRM,
   24=EARBUNDLE,
   25=PACKAGESET,
   26=NODEJSAPP,
   99=TYPE UNKNOWN
10. resource_name

Destination
CPIO

| DFHP11009 | DATE TIME APPLID TRANNUM \{XML | JSON\} to data transformation failed. A conversion error (\{UNKNOWN_CONVERSION | INPUT_TOO_LONG | OUTPUT_OVERFLOW | NEGATIVE_UNSIGNED | FRACTION_TOO_LONG | INVALID_CHARACTER | ODD_HEX_DIGITS | INVALID_BASE64 | NOTPURE_DBCS | INVALID_FIELD_SIZE | EXPONENT_OVERFLOW | EXPONENT_UNDERFLOW | ABSTIME_INVALID | ADDITIONAL_PROPERTIES\}) occurred when converting field \fieldname\ for \{WEBSERVICE | XMLTRANSFORM | BUNDLE | EVENTBINDING | SCACOMPOSITE | JVMSERVER pipeline handler program | EPADAPTER | OSGIBUNDLE | PROGRAM | POLICY | EPADAPTERSET | APPLDEF | TRANSACTION | URIMAP | PLATDEF | LIBRARY | WARBUNDLE | EBABUNDLE | TCPIPSERVICE | JVMSERVER | FILE | PIPELINE | JSONTRANSFRM | EARBUNDLE | PACKAGESET | NODEJSAPP | TYPE UNKNOWN\} resource_name.

Explanation
CICS has failed to convert some XML or JSON data into application data. In the case of XML, this may be the body of a SOAP message received from a partner process. The reason for the failure is due to a problem converting a value within the XML or JSON.
The possible error codes associated with this message are:

**INPUT_TOO_LONG**

The value of an XML tag that was declared as numeric contains more than 31 digits.

**OUTPUT_OVERFLOW**

An XML tag or JSON property contains a value that is too long to fit in the associated field of the commarea, or it contains a numeric value which is outside the permitted range for the associated field in the commarea.

**NEGATIVE_UNSIGNED**

A negative number has been found in an XML tag or JSON property that was declared as unsigned.

**FRACTION_TOO_LONG**

An XML tag contains a number with more non-zero fractional digits than the XML schema allows.

**INVALID_CHARACTER**

An XML tag or JSON property contains a character that is inconsistent with the declared type of that tag. For example, a tag declared as hexBinary contains a value that is not in the range 0-9 + a-f + A-F.

**ODD_HEX_DIGITS**

An XML tag that was declared as hexBinary contains an odd number of hexadecimal characters.

**INVALID_BASE64**

An XML tag that was declared as base64Binary contains a value that is not consistent with the base64 encoding.

**NOTPURE_DBCS**

An XML tag that maps to a pure DBCS language structure field contains a value that cannot be represented in pure DBCS.

**INVALID_FIELD_SIZE**

A floating point type with an unsupported precision level has been discovered.

**EXponent_OVERFLOW**

An overflow condition has been encountered whilst transforming a floating point value.

**EXponent_UNDERFLOW**

An underflow condition has been encountered whilst transforming a floating point value.

**ABSTIME_INVALID**

An attempt to convert an xsd:dateTime into a CICS ABSTIME value failed. This may be because the value in the XML does not conform to RFC3339, or the value represented may not be representable as a CICS ABSTIME value.

**ADDITIONAL_PROPERTIES**

Extra JSON properties were found for a WEBSERVICE that is configured to expect them, but this capability is disabled in the JSON parser. If the com.ibm.cics.json.enableAxis2Handlers property is set in the JVM Profile, consider removing it.

**UNKNOWN_CONVERSION**

An unrecognized conversion type has been requested.

**System action**

The XML or JSON conversion process halts.

If CICS is acting as a Web service provider, a SOAP Fault message (in the case of SOAP) or an error message (in the case of JSON) is returned to the requester. If CICS is acting as a Web service requester, a response code of INVREQ is returned to the calling application program with a RESP2 code of 14. If CICS is processing a TRANSFORM command, an INVREQ is returned with a RESP2 code of 4.

An exception entry is written to the trace table.

**User response**

Examine the exception trace entry for further information. Consider using the WEBSERVICE or XMLTRANSFORM validation option to test that the XML is valid for the schema.

Correct or change the partner process to ensure that the XML sent to CICS is appropriate to be consumed by CICS.

If a SOAPmessage is changed by a handler program as part of the CICS PIPELINE processing then ensure that the handler has not introduced this problem.

**Module:**

DFHPICC, DFHP1JP

**XMEOUT parameters/Message inserts**

1. DATE
2. TIME
3. APPLID
4. TRANID
5. **TRANNUM**
6. Value chosen from the following options:
   1 = XML,
   2 = JSON
7. Value chosen from the following options:
   99 = UNKNOWN_CONVERSION,
   1 = INPUT_TOO_LONG,
   2 = OUTPUT_OVERFLOW,
   3 = NEGATIVE_UNSIGNED,
   5 = FRACTION_TOO_LONG,
   6 = INVALID_CHARACTER,
   7 = ODD_HEX_DIGITS,
   11 = INVALID_BASE64,
   12 = NOTPURE_DBCS,
   14 = INVALID_FIELD_SIZE,
   15 = EXPONENT_OVERFLOW,
   16 = EXPONENT_UNDERFLOW,
   17 = ABSTIME_INVALID,
   18 = ADDITIONAL_PROPERTIES
8. **fieldname**
9. Value chosen from the following options:
   1 = WEBSERVICE,
   2 = XMLTRANSFORM,
   3 = BUNDLE,
   4 = EVENTBINDING,
   5 = SCACOMPOSITE,
   6 = JVMSERVER pipeline handler program,
   7 = EPADAPTER,
   8 = OSGIBUNDLE,
   9 = PROGRAM,
   10 = POLICY,
   11 = EPADAPTERSET,
   12 = APPLEDF,
   13 = TRANSACTION,
   14 = URIMAP,
   15 = PLATDEF,
   16 = LIBRARY,
   17 = WARLBUNDLE,
   18 = EBABUNDLE,
   19 = TCIPPSERVICE,
   20 = JVMSERVER,
   21 = FILE,
   22 = PIPELINE,
   23 = JSONTRANSFRM,
   24 = EARBUNDLE,
   25 = PACKAGESET,
   26 = NODEJSAPP,
   99 = TYPE UNKNOWN
10. **resource_name**

**Destination**

**CPIO**

**DFHP11010**

DATE TIME APPLID TRANID TRANNUM {XML | JSON}
generation failed. A conversion error (UNKNOWN_CONVERSION
| NEGATIVE_UNSIGNED
| INVALID_CHARACTER
| INVALID_PACKED_DEC
| INVALID_ZONED_DEC
| INCOMPLETE_DBCS
| ODD_DBCS_BYTES
| INVALID_FIELD_SIZE
| EXPONENT_OVERFLOW
| EXPONENT_UNDERFLOW
| ABSTIME_INVALID)) occurred when converting field
fieldname for {WEBSERVICE | XMLTRANSFORM | BUNDLE | EVENTBINDING | SCACOMPOSITE
| JVMSERVER pipeline handler program | EPADAPTER | OSGIBUNDLE | PROGRAM | POLICY
| EPADAPTERSET | APPLEDF
| TRANSACTION | URIMAP
| PLATDEF | LIBRARY | WARBUNDLE
| EBABUNDLE | TCIPPSERVICE | JVMSERVER | FILE | PIPELINE
| JSONTRANSFRM | EARBUNDLE | PACKAGESET | NODEJSAPP | TYPE
UNKNOWN} **resource_name**.

**Explanation**

CICS has failed to generate XML or JSON using application supplied data. The reason for the failure is due to a problem converting a value from the application data.
The possible error codes associated with this message are:

**NEGATIVE_UNSIGNED**
A negative number has been found in the application data that was declared as unsigned.

**INVALID_CHARACTER**
An XML tag or JSON property contains a character that is inconsistent with its declared type. For example, a tag declared as hexBinary contains a value that is not in the range 0-9 + a-f + A-F.

**INVALID_PACKED_DEC**
A packed decimal field in the application data contains an illegal value that cannot be converted to XML.

**INVALID_ZONED_DEC**
A zoned decimal field in the application data contains an illegal value that cannot be converted to XML.

**INCOMPLETE_DBCS**
A DBCS sequence in the application data is missing a shift in (SI) character.

**ODD_DBCS_BYTES**
A DBCS sequence in the application data is an odd number of bytes in length.

**INVALID_FIELD_SIZE**
A floating point type with an unsupported precision level has been discovered.

**EXPONENT_OVERFLOW**
An overflow condition has been encountered when transforming a floating point value.

**EXPONENT_UNDERFLOW**
An underflow condition has been encountered when transforming a floating point value.

**ABSTIME_INVALID**
A problem was encountered when transforming an ABSTIME value into an RFC3339 value.

**UNKNOWN_CONVERSION**
An unrecognized conversion type has been requested.

**System action**
The XML or JSON conversion process halts.

If CICS is acting as a Web service provider, a SOAP Fault message (in the case of SOAP) or an error message (in the case of JSON) is returned to the requester. If CICS is acting as a Web service requester, a response code of INVREQ is returned to the calling application program with a RESP2 code of 14. If CICS is processing a TRANSFORM command then an INVREQ is returned with a RESP2 code of 6.

An exception entry is written to the trace table.

**User response**
Examine the exception trace entry for further information.

Correct the CICS application to ensure that the data presented to CICS is appropriate to be converted into XML or JSON.

**Module:**
DFHPIII, DFHPIJG

**XMEOUT parameters/Message inserts**
1. DATE
2. TIME
3. APPLID
4. TRANID
5. TRANNUM
6. Value chosen from the following options:
   - 1=XML,
   - 2=JSON
7. Value chosen from the following options:
   - 99=UNKNOWN_CONVERSION,
   - 3=NEGATIVE_UNSIGNED,
   - 6=INVALID_CHARACTER,
   - 8=INVALID_PACKED_DEC,
   - 9=INVALID_ZONED_DEC,
   - 10=INCOMPLETE_DBCS,
   - 13=ODD_DBCS_BYTES,
   - 14=INVALID_FIELD_SIZE,
   - 15=EXPONENT_OVERFLOW,
   - 16=EXPONENT_UNDERFLOW,
   - 17=ABSTIME_INVALID
8. **fieldname**
9. Value chosen from the following options:
   - 1=WEBSERVICE,
   - 2=XMLTRANSFORM,
The CICS handling program, DFHPICA, for the 'http://www.ibm.com/xmlns/prod/cics/bundle/SCACOMPOSITE' type failed to create resource resource_name in the BUNDLE resource bundle_name, because CICS failed to parse the SCDL resource definition scdl_path_name in bundle root directory bundle_root.

System action
The creation process ends and the resource is set to a disabled state. The associated BUNDLE is set to a disabled state.

User response
Ensure that the SCDL is valid for CICS to parse.

Module:
DFHPICA

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. resource_name
6. bundle_name
7. scdl_path_name
8. bundle_root
9. Value chosen from the following options:
   1=The SCDL is not valid.,
   2=Failed to convert the SCDL.
Explanation
During HTTP processing of an inbound MIME request, CICS detected an error in the format or content of the MIME message. Possible reasons for this could be:

- It contained an invalid character
- It had an invalid header
- It had an invalid MIME header
- It had a boundary error
- It did not contain a root part
- It used an unsupported encoding
- It caused an unexpected response

The specific cause of the error is indicated in the message.

System action
The PIPELINE returns in error. For a provider PIPELINE the HTTP connection is closed. An exception trace point is issued with the details of the error.

User response
Check the trace for details of the MIME error. This error will need to be corrected in the MIME generation of the sender.

Module: DFHPITH

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. pipeline
6. Value chosen from the following options:
   1=it contained an invalid character,
   2=it had an invalid header,
   3=it had an invalid MIME header,
   4=it had a boundary error,
   5=it did not contain a root part,
   6=it used an unsupported encoding,
   7=it caused an unexpected response

Destination
CPIO

Explanation
During HTTP processing of an inbound MIME request, in compatibility mode, CICS detected an error in the content of the MIME message. Possible causes for this error include the MIME message contains a body that could not be parsed or an include for which there was no attachment. The message issued will indicate the cause of the error.

System action
The pipeline returns in error. For a provider pipeline the HTTP connection is closed. An exception trace point will have been issued with the details of the error.

User response
Trace can be checked to obtain the details of the MIME error. This error will need to be corrected in the MIME generation of the sender.

Module: DFHPITH

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. pipeline
6. Value chosen from the following options:
   1=a body that could not be parsed,
   2=an include for which there was no attachment

Destination
CPIO

Explanation
During HTTP processing of an outbound MIME message in compatibility mode, CICS detected an error while processing an outbound MIME message in compatibility mode.

System action
The pipeline returns in error. For a provider pipeline the HTTP connection is closed. An exception trace point will have been issued with the details of the error.

User response
Trace can be checked to obtain the details of the MIME error. This error will need to be corrected in the MIME generation of the sender.

Module: DFHPITH

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. pipeline
6. Value chosen from the following options:
mode. Generation of the MIME message failed because: {it contained a body that could not be parsed | a container had an invalid ccsid | a container had the wrong type}.

Explanation
During HTTP processing of an outbound MIME request, in compatibility mode, CICS detected an error in the content of the MIME message or pipeline channel. Possible reasons for this failure include the message contained a body that could not be parsed, the channel had a MIME container with an invalid ccsid or the channel had a container with the wrong type. The cause of the error will be indicated in the issued message.

System action
The pipeline returns in error. For a provider pipeline the HTTP connection is closed. An exception trace point will have been issued with the details of the error.

User response
Trace can be checked to obtain the details of the MIME error. This error will need to be corrected in the MIME generation of the sending party.

Module:
DFHPITH

XMEOUT parameters/Message inserts
1. date
date
2. time
time
3. applid
applid
4. userid
userid
5. pipeline
pipeline
6. Value chosen from the following options:
   1=it contained a body that could not be parsed,
   2=a container had an invalid ccsid,
   3=a container had the wrong type

Destination
CPIO

1412  CICS TS for z/OS: CICS Messages
Explanation
A JSON request has been received, but the DFHHTTPMETHOD container does not contain POST. This is not valid.

System action
The JSON message cannot be processed.

User response
Investigate why the method requested is not POST. This is probably an error in the client sending the request to CICS.

Module:
DFHPIJW

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CPIO

DFHPI1203 date time applid Container containername could not be found.

Explanation
An attempt to locate the named container in the pipeline channel has failed because the container is not present.

System action
The JSON message cannot be processed.

User response
Investigate why the container could be missing.

Module:
DFHPIJW

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. containername

Destination
CPIO

DFHPI1202 date time applid Container DFHMEDIATYPE does not contain application/json.

Explanation
A JSON request has been received, but the DFHMEDIATYPE container does not contain application/json. This is not valid.

System action
The JSON message cannot be processed.

User response
Investigate why the media type is not application/json. This is probably an error in the client sending the request to CICS.

Module:
DFHPIJW

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CPIO

DFHPI2000 E date time applid tranid The installation of SCACOMPOSITE resource_name in the BUNDLE resource bundle_name did not complete successfully. {A WEBSERVICE wsbind file was not found. | A WEBSERVICE name was a duplicate. | A URIMAP has an invalid path. | A URIMAP has a duplicate path. | A binding combination was invalid. | A binding did not provide required values. | A Service required for wiring was not found. | A Reference required for wiring was not found. | A wire target was already wired. | A service or reference name was a duplicate. | A service or reference has multiple bindings. | A reference target was not found. | A reference target was invalid. | An implementation was not found.}
Explanation

The CICS handling program, DFHPICA, for the 'http://www.ibm.com/xmlns/prod/cics/bundle/SCACOMPOSITE' type failed to create resource resource_name in the BUNDLE resource bundle_name due to an error in the contents of SCDL.

System action

The resource is set to a disabled state. The associated BUNDLE is set to a disabled state.

User response

If specified, ensure a reference target wires to a component reference. Ensure an implementation is defined to describe component services. Correct the SCDL or the indicated resource problem. Discard the BUNDLE and reinstall.

Module: DFHPICA

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. resource_name
6. bundle_name
7. Value chosen from the following options:
   1=A WEBSERVICE wsbind file was not found.,
   2=A WEBSERVICE name was a duplicate.,
   3=A URIMAP has an invalid path.,
   4=A URIMAP has a duplicate path.,
   5=A binding combination was invalid.,
   6=A binding did not provide required values.,
   7=A Service required for wiring was not found.,
   8=A Reference required for wiring was not found.,
   9=A wire target was already wired.,
   10=A service or reference name was a duplicate.,
   11=A service or reference has multiple bindings.,
   12=A reference target was not found.,
   13=A reference target was invalid.,
   14=An implementation was not found.

Destination

CPIO

DFHPI2001 E date time applid tranid The installation of SCACOMPOSITE resource_name in the BUNDLE resource bundle_name did not complete successfully. The bindfile could not be read. Bindfile: bindfile_name,Binding:binding_name.

Explanation

The CICS handling program, DFHPICA, for the 'http://www.ibm.com/xmlns/prod/cics/bundle/SCACOMPOSITE' type failed to create resource resource_name in the BUNDLE resource bundle_name due to an error in the contents of SCDL. The binding binding_name had a bindfile attribute which specified a file path bindfile_name which could not be read.

System action

The resource is set to a disabled state. The associated BUNDLE is set to a disabled state.

User response

Correct the SCDL or the indicated resource problem. Discard the BUNDLE and reinstall.

Module: DFHPICA

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. resource_name
6. bundle_name
7. bindfile_name
8. binding_name

Destination

CPIO

DFHPI2002 E date time applid tranid The installation of SCACOMPOSITE resource_name in the BUNDLE resource bundle_name did not complete successfully. A duplicate
**Explanation**

The CICS handling program, DFHPICA, for the 'http://www.ibm.com/xmlns/prod/cics/bundle/SCACOMPOSITE' type failed to create resource `resource_name` in the BUNDLE resource `bundle_name` due to an error in the contents of SCDL. The binding `binding_name` had a `uri` attribute which specified a value `path_name` which was a duplicate of an existing URIMAP path.

**System action**

The resource is set to a disabled state. The associated BUNDLE is set to a disabled state.

**User response**

Correct the SCDL or the indicated resource problem. Discard the BUNDLE and reinstall.

**Module:** DFHPICA

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `resource_name`
6. `bundle_name`
7. `webservice_name`
8. `binding_name`

**Destination**

CPIO

**Explanation**

The CICS handling program, DFHPICA, for the 'http://www.ibm.com/xmlns/prod/cics/bundle/SCACOMPOSITE' type failed to create resource `resource_name` in the BUNDLE resource `bundle_name` due to an error in the contents of SCDL. The binding `binding_name` had a `wsRes` attribute which specified a value `webservice_name` which was a duplicate of an existing WEBSERVICE.

**System action**

The resource is set to a disabled state. The associated BUNDLE is set to a disabled state.

**User response**

Correct the SCDL or the indicated resource problem. Discard the BUNDLE and reinstall.

**Module:** DFHPICA

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `resource_name`
6. `bundle_name`
7. `path_name`
8. `binding_name`

**Destination**

CPIO

**Explanation**

The CICS handling program, DFHPICA, for the 'http://www.ibm.com/xmlns/prod/cics/bundle/SCACOMPOSITE' type failed to create resource `resource_name` in the BUNDLE resource `bundle_name` due to an error in the contents of SCDL. The binding `binding_name` had a `uri` attribute which specified a value `path_name` which was a duplicate of an existing URIMAP path.

**System action**

The resource is set to a disabled state. The associated BUNDLE is set to a disabled state.

**User response**

Correct the SCDL or the indicated resource problem. Discard the BUNDLE and reinstall.

**Module:** DFHPICA

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `resource_name`
6. `bundle_name`
7. `path_name`
8. `binding_name`

**Destination**

CPIO

**Explanation**

The CICS handling program, DFHPICA, for the 'http://www.ibm.com/xmlns/prod/cics/bundle/SCACOMPOSITE' type failed to create resource `resource_name` in the BUNDLE resource `bundle_name` due to an error in the contents of SCDL. The binding `binding_name` had a `uri` attribute which specified a value `path_name` which was a duplicate of an existing URIMAP path.

**System action**

The resource is set to a disabled state. The associated BUNDLE is set to a disabled state.

**User response**

Correct the SCDL or the indicated resource problem. Discard the BUNDLE and reinstall.

**Module:** DFHPICA

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `resource_name`
6. `bundle_name`
7. `path_name`
8. `binding_name`

**Destination**

CPIO

**Explanation**

The CICS handling program, DFHPICA, for the 'http://www.ibm.com/xmlns/prod/cics/bundle/SCACOMPOSITE' type failed to create resource `resource_name` in the BUNDLE resource `bundle_name` due to an error in the contents of SCDL. The binding `binding_name` had a `uri` attribute which specified a value `path_name` which was a duplicate of an existing URIMAP path.

**System action**

The resource is set to a disabled state. The associated BUNDLE is set to a disabled state.

**User response**

Correct the SCDL or the indicated resource problem. Discard the BUNDLE and reinstall.

**Module:** DFHPICA

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `resource_name`
6. `bundle_name`
7. `path_name`
8. `binding_name`

**Destination**

CPIO

**Explanation**

The CICS handling program, DFHPICA, for the 'http://www.ibm.com/xmlns/prod/cics/bundle/SCACOMPOSITE' type failed to create resource `resource_name` in the BUNDLE resource `bundle_name` due to an error in the contents of SCDL. The binding `binding_name` had a `uri` attribute which specified a value `path_name` which was a duplicate of an existing URIMAP path.

**System action**

The resource is set to a disabled state. The associated BUNDLE is set to a disabled state.

**User response**

Correct the SCDL or the indicated resource problem. Discard the BUNDLE and reinstall.

**Module:** DFHPICA
binding_name had a uri attribute which specified a value path_name which was invalid. The element element_name at fault was of type value_type

System action
The resource is set to a disabled state. The associated BUNDLE is set to a disabled state.

User response
Correct the SCDL or the indicated resource problem. Discard the BUNDLE and reinstall.

Module:
DFHPICA

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. resource_name
6. bundle_name
7. path_name
8. binding_name
9. Value chosen from the following options:
   1=Reference:, 
   2=Service:
10. element_name

Destination
CPIO

DFHPI2005 E  date time applid tranid The installation of SCACOMPOSITE resource_name in the BUNDLE resource bundle_name did not complete successfully. A binding attempted to wire to a target with an incompatible binding type. Target: target ,Binding:binding_name .

Explanation
The CICS handling program, DFHPICA, for the 'http://www.ibm.com/xmlns/prod/cics/bundle/SCACOMPOSITE' type created resource resource_name in the BUNDLE resource bundle_name due to an error in the contents of SCDL. The binding binding_name tried to wire to a service or reference which had an incompatible binding type. The most common cause of this is trying to mix a binding.ws with binding.cics.

System action
The resource is set to a disabled state. The associated BUNDLE is set to a disabled state.

User response
Correct the SCDL or the indicated resource problem. Discard the BUNDLE and reinstall.

Module:
DFHPICA

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. resource_name
6. bundle_name
7. target
8. binding_name

Destination
CPIO

DFHPI2006 W  date time applid tranid The installation of SCACOMPOSITE resource_name in the BUNDLE resource bundle_name contained a wired binding that did not provide required value. The binding cannot be used unless a later composite provides the value. Value Type: {pipeline | uri | bindfile} ,Binding:binding_name .

Explanation
The CICS handling program, DFHPICA, for the 'http://www.ibm.com/xmlns/prod/cics/bundle/SCACOMPOSITE' type created resource resource_name in the BUNDLE resource bundle_name. A service or reference has not provided a value for a required attribute when wired. A value must be provided for this attribute on one of the two wired bindings to be operational. This value may be provided by the later deployment of another composite. The missing attribute was of type value_type .
System action
The resource installs successfully. The binding cannot be used until the value is provided.

User response
Ensure that a subsequent composite provides the missing value or inspect the SCDL to see why the value was not provided.

Module:
DFHPICA

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. resource_name
6. bundle_name
7. Value chosen from the following options:
   1=pipeline,
   2=uri,
   3=bindfile
8. binding_name

Destination
CPIO

DFHPI2007 E  date time applid tranid The installation of SCACOMPOSITE resource_name in the BUNDLE resource bundle_name did not complete successfully. A wired binding targeted a service which could not be found. Target: target_name ,Binding: binding_name.

Explanation
The CICS handling program, DFHPICA, for the 'http://www.ibm.com/xmlns/prod/cics/bundle/SCACOMPOSITE' type failed to create resource resource_name in the BUNDLE resource bundle_name due to an error in the contents of SCDL. The binding binding_name tried to wire to a service that could not be found.

System action
The resource is set to a disabled state. The associated BUNDLE is set to a disabled state.

User response
Correct the SCDL or the indicated resource problem. Discard the BUNDLE and reinstall.

Module:
DFHPICA

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. resource_name
6. bundle_name
7. target_name
8. binding_name

Destination
CPIO

DFHPI2008 E  date time applid tranid The installation of SCACOMPOSITE resource_name in the BUNDLE resource bundle_name did not complete successfully. A wired binding targeted a reference which could not be found. Target: target_name ,Binding: binding_name.

Explanation
The CICS handling program, DFHPICA, for the 'http://www.ibm.com/xmlns/prod/cics/bundle/SCACOMPOSITE' type failed to create resource resource_name in the BUNDLE resource bundle_name due to an error in the contents of SCDL. The binding binding_name tried to wire to a reference that could not be found.

System action
The resource is set to a disabled state. The associated BUNDLE is set to a disabled state.

User response
Correct the SCDL or the indicated resource problem. Discard the BUNDLE and reinstall.
Module: DFHPICA

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. resource_name
6. bundle_name
7. target_name
8. binding_name

Destination

CPIO

DFHPI2009 E  date time applid tranid The installation of SCACOMPOSITE resource_name in the BUNDLE resource bundle_name did not complete successfully. A wired binding targeted a service or reference which had already been wired. Target: target_name, Binding: binding_name.

Explanation

The CICS handling program, DFHPICA, for the 'http://www.ibm.com/xmlns/prod/cics/bundle/SCACOMPOSITE' type failed to create resource resource_name in the BUNDLE resource bundle_name due to an error in the contents of SCDL. The binding binding_name tried to wire to a service or reference that had already been wired. Each service or reference can only be the target of one wire.

System action

The resource is set to a disabled state. The associated BUNDLE is set to a disabled state.

User response

Define at least one service or at least one reference in the implementation composite. Discard the BUNDLE and reinstall.

Module: DFHPICA

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. resource_name
6. bundle_name
7. impl_comp

DFHPI2011 E  date time applid tranid The installation of SCACOMPOSITE resource_name in the BUNDLE resource bundle_name did not complete successfully. No services or references could be found in the composite implementation impl_comp.

Explanation

The CICS handling program, DFHPICA, for the 'http://www.ibm.com/xmlns/prod/cics/bundle/SCACOMPOSITE' type failed to create resource resource_name in the BUNDLE resource bundle_name due to an error in implementation composite impl_comp. It must contain at least one service or at least one reference.

System action

The resource is set to a disabled state. The associated BUNDLE is set to a disabled state.

User response

Define at least one service or at least one reference in the implementation composite. Discard the BUNDLE and reinstall.

Module: DFHPICA

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. resource_name
6. bundle_name
7. impl_comp

1418  CICS TS for z/OS: CICS Messages
The installation of SCACOMPOSITE resource_name in the BUNDLE resource bundle_name did not complete successfully. The prerequisite composite implementation impl_comp could not be found.

Explanation
The CICS handling program, DFHPICA, for the 'http://www.ibm.com/xmlns/prod/cics/bundle/SCACOMPOSITE' type failed to create resource resource_name in the BUNDLE resource bundle_name because a prerequisite composite implementation impl_comp could not be found.

System action
The resource is set to a disabled state. The associated BUNDLE is set to a disabled state.

User response
Ensure that the composite implementation is available. Discard the BUNDLE and reinstall.

Module:
DFHPICA

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. resource_name
6. bundle_name
7. impl_comp

Destination
CPIO

A attempt to directly invoke a service service_name failed. {The service is internal. | The service cannot be invoked directly. | The composite that defines the service is disabled. | The service uses the web services binding.}

Explanation
An attempt to use INVOKE SERVICE to target an SCA deployed service service_name could not establish a binding. Although a matching service name was found that service was not suitable for direction invocation. This could be because: The target service is internal to a composite. The target service uses a bind file for mapping. The target service is in a disabled composite. The target service uses a Web Services binding and must be called as a Web Service.

System action
The INVOKE SERVICE returns NOTFOUND.

User response
There are a number of possible solutions. Check the SCDL and correct and issues. Change the application to target a service that can be called in this way. Change the application to use a request type (Web Services) that can target the service.

Module:
DFHPICA

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. service_name
6. Value chosen from the following options:
   1=The service is internal.,
   2=The service cannot be invoked directly.,
   3=The composite that defines the service is disabled.,
   4=The service uses the web services binding.

Destination
CPIO

The installation of SCACOMPOSITE resource_name in the BUNDLE resource bundle_name did not complete successfully. A Web service binding was used to wire an internal reference to a service. Binding:binding_name.
Explanation
The CICS handling program, DFHPICA, for the 'http://www.ibm.com/xmlns/prod/cics/bundle/SCACOMPOSITE' type failed to create resource resource_name in the BUNDLE resource bundle_name due to an error in the contents of SCDL. The Web service binding binding_name was used to wire an internal reference to a service. Only a SCA or CICS binding can be used for internal wiring.

System action
The resource is set to a disabled state. The associated BUNDLE is set to a disabled state.

User response
Correct the SCDL or the indicated resource problem. Discard the BUNDLE and reinstall.

Module:
DFHPICA

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. resource_name
6. bundle_name
7. composite_name

Destination
CPIO

DFHP2018 E
date time applid tranid The installation of SCACOMPOSITE resource_name in the BUNDLE resource bundle_name did not complete successfully. The resource name must be the same as the composite name. Composite name: composite_name.

Explanation
The CICS handling program, DFHPICA, for the 'http://www.ibm.com/xmlns/prod/cics/bundle/SCACOMPOSITE' type failed to create resource resource_name in the BUNDLE resource bundle_name due to an error in the contents of the manifest. The resource name must be the same as the composite name.

System action
The resource is set to a disabled state. The associated BUNDLE is set to a disabled state.

User response
Correct the SCDL encoding. Discard the BUNDLE and reinstall it.

Module:
DFHPICA
The installation of SCACOMPOSITE resource_name in the BUNDLE resource bundle_name did not complete successfully. The SCDL is invalid.

Explanation
The CICS handling program, DFHPICA, for the 'http://www.ibm.com/xmlns/prod/cics/bundle/SCACOMPOSITE' type failed to create resource resource_name in the BUNDLE resource bundle_name due to an error in the contents of SCDL.

System action
This warning message is issued. The resource might be set to a disabled state. The associated BUNDLE might be set to a disabled state.

User response
Ensure that the attribute values are correctly specified in the SCDL. Ensure that the named resource is available and is enabled.

Module:
DFHPICA

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. resource_name
6. bundle_name
7. Value chosen from the following options: 1=A composite name was not provided., 2=An internal reference name was not provided., 3=An internal reference target was not provided., 4=An external reference name was not provided., 5=An external reference promote was not provided., 6=An external service name was not provided., 7=An external service promote was not provided.
5=An external reference name was not provided.,
6=An external reference promote was not provided.,
7=An external reference target was not provided.,
8=An external service name was not provided.,
9=An external service promote was not provided.

**Destination**

CPIO

DFHPI2022 W  
*date time applid tranid*
The SCACOMPOSITE *resource_name* in the BUNDLE resource *bundle_name* defined an unsupported attribute in the SCDL. Attribute:

{policySets. | requires. }

{Composite | Service | Reference | Component | Implementation | Binding}\: *element_name*.

**Explanation**

The CICS handling program, DFHPICA, for the 'http://www.ibm.com/xmlns/prod/cics/bundle/SCACOMPOSITE' type detected that an unsupported attribute was defined in the contents of SCDL.

**System action**

This warning message is issued. The attribute is not processed.

**User response**

Ensure that a supported set of attributes are used in the contents of SCDL. Unsupported attributes: policySets, requires.

**Module:**

DFHPICA

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. resource_name
6. bundle_name
7. Value chosen from the following options:
   1. policySets.
   2. requires.
8. Value chosen from the following options:
   1. Composite,
   2. Service,
   3. Reference,
   4. Component,
   5. Implementation,
   6. Binding

9. *element_name*

**Destination**

CPIO

DFHPI2023 E  
*date time applid tranid*
The installation of SCACOMPOSITE *resource_name* in the BUNDLE resource *bundle_name* did not complete successfully. The mapping modes of {reference \ service \} *element_name* and {reference \ service \} *element_name* must be identical.

**Explanation**

The CICS handling program, DFHPICA, for the 'http://www.ibm.com/xmlns/prod/cics/bundle/SCACOMPOSITE' type failed to create resource *resource_name* in the BUNDLE resource *bundle_name* due to an error in the contents of SCDL.

**System action**

The resource is set to a disabled state. The associated BUNDLE is set to a disabled state.

**User response**

Ensure the mapping modes are identical when:

- Wiring an internal reference to an internal service.
- Promoting an internal reference from a reference.
- Promoting an internal service from a service.

Correct the SCDL or the indicated resource problem. Discard the BUNDLE and reinstall it.

**Module:**

DFHPICA

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. resource_name
6. bundle_name
7. Value chosen from the following options:
   1 = reference,  
   2 = service
8. element_name
9. Value chosen from the following options:
   1 = reference,  
   2 = service
10. element_name

Destination
CPIO

DFHPI2024 date time applid tranid BUNDLE resource bundle_name cannot be enabled because one or more resources in the BUNDLE were not created successfully.

Explanation
An attempt to enable BUNDLE resource bundle_name has failed. This is because one or more of the resources in the BUNDLE was not created successfully. The BUNDLE resource was installed as disabled.

System action
The BUNDLE resource remains in a disabled state.

User response
Correct the SCDL or the indicated resource problem. Discard the BUNDLE and reinstall it.

Module:
DFHPICA

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. bundle_name

Destination
CPIO

DFHPI2025 W date time applid tranid An INVOKE SERVICE call failed because it used an unwired reference. Reference: reference_name , Scope: scope_name .

Explanation
An INVOKE SERVICE command attempted to use an SCA reference which was not wired to an external reference, either directly or through another internal reference. Unwired references cannot be used. The reference used was reference_name in scope scope_name .

System action
A NOTFOUND response is returned.

User response
Ensure that the reference is wired in the deployed SCDL or that another composite is deployed that provides the wiring. Discard and reinstall the BUNDLE that contains the SCA Composite.

Module:
DFHPIIW

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. reference_name
6. scope_name

Destination
CPIO

DFHPI2026 E date time applid tranid The installation of SCACOMPOSITE resource_name in the BUNDLE resource bundle_name did not complete successfully. The prerequisite composite implementation impl_comp does not have any components defined.
Explanation

The CICS handling program, DFHPICA, for the 'http://www.ibm.com/xmlns/prod/cics/bundle/SCACOMPOSITE' type failed to create resource resource_name in the BUNDLE resource bundle_name because a prerequisite composite implementation impl_comp did not have any components defined. A composite that is used as an implementation must have at least one component.

System action

The resource is set to a disabled state. The associated BUNDLE is set to a disabled state.

User response

Ensure that the composite implementation is correct. Discard the BUNDLE and reinstall it.

Module: DFHPICA

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. resource_name
6. bundle_name
7. impl_comp

Destination

CPIO

DFHPI2027 E  date time applid tranid The installation of SCACOMPOSITE resource_name in the BUNDLE resource bundle_name did not complete successfully. The composite name is a duplicate of an existing composite.

Explanation

The CICS handling program, DFHPICA, for the 'http://www.ibm.com/xmlns/prod/cics/bundle/SCACOMPOSITE' type failed to create resource resource_name in the BUNDLE resource bundle_name because the composite name is a duplicate of an existing composite in the same scope.

System action

The resource is set to a disabled state. The associated BUNDLE is set to a disabled state.

User response

Ensure that the composite name is unique. Discard the BUNDLE and reinstall it.

Module: DFHPICA

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. resource_name
6. bundle_name

Destination

CPIO

DFHPI9000 E  ResourceBundle not found issuing message: value.

Explanation

The messages for the Web services assistant cannot be located.

System action

The Web services assistant continues processing but no other messages will be issued.

User response

Contact your IBM support representative for further assistance.

Module: DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination

SYSPRINT

DFHPI9001 E  Message not found issuing message: value.
Explanation
A message number value is missing and cannot be issued.

System action
The Web services or XML assistant continues processing.

User response
Contact your IBM support representative for further assistance.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFH3S2LS, DFHLS2JS

Destination
SYSPRINT

DFHPI9002 E  A WSDL operation name is too long to be supported by CICS: value.

Explanation
CICS imposes a limit on the maximum length of each operation name in a WSDL document. This limit is 255 characters. Operation name value is too long.

System action
The Web services assistant continues processing.

User response
Edit the WSDL document and reduce the length of the operation name. Resubmit the DFHWS2LS job to re-process the WSDL.

Module:
DFHWS2LS

Destination
SYSPRINT

DFHPI9003 E  A WSDL part name is too long to be supported by CICS: value.

Explanation
CICS imposes a limit on the maximum length of each part name in a WSDL document. This limit is 255 characters. Part name value is too long.

System action
The Web services assistant continues processing.

User response
Edit the WSDL document and reduce the length of the part name. Resubmit the DFHWS2LS job to re-process the WSDL.

Module:
DFHWS2LS

Destination
SYSPRINT

DFHPI9004 E  The WSDL specifies a style value of document and contains a part name that refers to an XML type. Document style WSDL must only refer to XML elements.

Explanation
There is an error in the WSDL document. The WSDL binding element specifies the use of 'document' style encoding but the associated message element points to an XML type. If document style bindings are used then the message elements may only point to XML elements.

System action
The Web services assistant continues processing.

User response
Correct the WSDL document and then resubmit the DFHWS2LS job to re-process the WSDL.

Module:
DFHWS2LS

Destination
SYSPRINT

DFHPI9010 E  Simple data type type is not atomic. List and union data types are not supported.

Explanation
DFHWS2LS and DFHSC2LS support simple primitive XML data types at mapping level 1.0. Type type is either a list or a union data type.
**System action**
The Web services or XML assistant continues processing.

**User response**
Consider specifying a MAPPING-LEVEL of at least 1.1.

**Module:**
DFHWS2LS, DFHSC2LS

**Destination**
SYSPRINT

DFHPI9011 E  Unsupported super type **super_type** found for type **base_type**.

**Explanation**
XML data type **base_type** is derived from XML data type **super_type**. The super type is not supported by the assistants.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the xsd:any construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML schema or WSDL is not acceptable then other options exist:

- If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.
- If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.
- If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.

Other products may exist that can help process or omit the problematic XML constructs. For example, IBM’s Rational Developer for System Z (RDz) product supports a "meet-in-middle" mapping scenario that allows omitting of specific XML constructs.

**Module:**
DFHWS2LS, DFHSC2LS

**Destination**
SYSPRINT

DFHPI9012 E  Schema wild cards (**<any>** tags) are only supported at mapping level 2.1 and later.

**Explanation**
A XML schema referenced within the input document contains an 'any' tag. The 'any' tag is supported, but only at mapping level 2.1 or later. A mapping level prior to 2.1 is currently in use.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider specifying the use of mapping level 2.1 or later.

At mapping level 2.1 CICS will allocate a container into which the XML data associated with the 'any' tag will be stored at runtime. If this behavior is not acceptable then consider changing the XML @QKC schema to specify a 'choice' construct that lists all of the possible options that may be used at runtime.

**Module:**
DFHWS2LS, DFHSC2LS

**Destination**
SYSPRINT

DFHPI9013 E  Schema model groups with maxOccurs or minOccurs not equal to 1 are not supported. Problem found for type: **value**.

**Explanation**
An XML model group has been found within the XML schema referenced from the WSDL document which specifies occurrence information. The term 'model
At mapping level 2.1 minOccurs="0" is supported for model groups.

**System action**
The Web services assistant continues processing.

**User response**
Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the xsd:any construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML schema or WSDL is not acceptable then other options exist:

- If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.

- If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.

- If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.

Other products may exist that can help process or omit the problematic XML constructs. For example, IBM's Rational Developer for System Z (RDz) product supports a "meet-in-middle" mapping scenario that allows omitting of specific XML constructs.

**Module:**  
DFHWS2LS, DFHSC2LS

**Destination**  
SYSPRINT

---

**Explanation**
There is an error in an XML schema. A required model group cannot be found for model group definition `definition`.

**System action**
The Web services or XML assistant continues processing.

**User response**
Correct the XML schema and then resubmit the DFHWS2LS or DFHSC2LS job to re-process the WSDL document.

**Module:**  
DFHWS2LS, DFHSC2LS

**Destination**  
SYSPRINT

---

**Explanation**
There is an error in an XML schema. An XML particle value has been found with unrecognized content.

**System action**
The Web services or XML assistant continues processing.

**User response**
Correct the XML schema and then resubmit the DFHWS2LS or DFHSC2LS job to re-process the input document.

**Module:**  
DFHWS2LS, DFHSC2LS

**Destination**  
SYSPRINT

---

**Explanation**
There is an error in an XML schema. A schema element that has been referenced cannot be found. The missing element is `element`.

**Module:**  
DFHWS2LS, DFHSC2LS

**Destination**  
SYSPRINT

---
System action
The Web services or XML assistant continues processing.

User response
Correct the XML schema or the WSDL and then resubmit the DFHWS2LS or DFHSC2LS job to reprocess the WSDL document.

Module:
DFHWS2LS, DFHSC2LS

Destination
SYSPRINT

DFHPI9017 E  Unsupported attribute attribute found for schema element element.

Explanation
An attribute that is not supported has been found in an XML schema. DFHWS2LS and DFHSC2LS do not support the following schema attributes: 'substitutionGroup', 'abstract' and 'fixed'. The unsupported attribute has been found in schema element element.

Abstract elements are supported at mapping level 2.1. Fixed values are supported at mapping level 2.2. Substitution groups are supported at mapping level 2.2.

System action
The Web services or XML assistant continues processing.

User response
Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the xsd:any construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML schema or WSDL is not acceptable then other options exist:

- If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.
- If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.
- If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.

Other products may exist that can help process or omit the problematic XML constructs. For example, IBM’s Rational Developer for System Z (RDz) product supports a "meet-in-middle" mapping scenario that allows omitting of specific XML constructs.

Module:
DFHWS2LS, DFHSC2LS

Destination
SYSPRINT

DFHPI9018 E  Schema element element is missing a type definition.

Explanation
There is an error in an XML schema. XML schema element element does not reference an XML type.

System action
The Web services or XML assistant continues processing.

User response
Correct the XML schema and then resubmit the DFHWS2LS or DFHSC2LS job to re-process the input document.

Module:
DFHWS2LS, DFHSC2LS

Destination
SYSPRINT

DFHPI9019 E  Schema type type is not supported.

Explanation
An XML schema contains an XML type that is not supported by DFHWS2LS or DFHSC2LS. The unsupported XML type is type.
**System action**
The Web services or XML assistant continues processing.

**User response**
Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the xsd:any construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML schema or WSDL is not acceptable then other options exist:

- If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.
- If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.
- If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.

Other products may exist that can help process or omit the problematic XML constructs. For example, IBM’s Rational Developer for System Z (RDz) product supports a "meet-in-middle" mapping scenario that allows omitting of specific XML constructs.

**Module:**
DFHWS2LS, DFHSC2LS

**Destination**
SYSPRINT

**DFHP19021 W**
A schema type with unrecognized content has been found: value.

**Explanation**
There is an error in an XML schema. An XML type value has been found with unrecognized content.

**System action**
The Web services or XML assistant continues processing.

**User response**
Correct the XML schema and then resubmit the DFHWS2LS or DFHSC2LS job to re-process the input document.

**Module:**
DFHWS2LS, DFHSC2LS

**Destination**
SYSPRINT

**DFHP19022 W**
Schema type type is being restricted to a total of value digits in the response message of operation operation.

**Explanation**
An XML schema contains type definition type. This type specifies a total number of digits which is too large for the target programming language to support. DFHWS2LS is restricting the type definition to a total of value digits. This type appears in the response message for operation operation.
**System action**

The Web services assistant continues processing. If at runtime a SOAP message is received with a value which is too large for the target field in the language structure then a conversion error will be indicated.

**User response**

Consider whether you need to be able to support numbers which require more digits than are allowed. If it is acceptable for CICS to impose this maximum length then you may safely ignore this message.

Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the xsd:any construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML schema or WSDL is not acceptable then other options exist:

- If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.
- If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.
- If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.

Other products may exist that can help process or omit the problematic XML constructs. For example, IBM's Rational Developer for System Z (RDz) product supports a "meet-in-middle" mapping scenario that allows omitting of specific XML constructs.

**Module:**

DFHWS2LS

**Explanation**

An XML schema referenced from the WSDL document contains type definition type. This type specifies a total number of digits which is too large for the target programming language to support. DFHWS2LS is restricting the type definition to a total of value digits. This type appears in the request message for operation operation.

**System action**

The Web services assistant continues processing. If at runtime a SOAP message is received with a value which is too large for the target field in the language structure then a conversion error will be indicated.

**User response**

Consider whether you need to be able to support numbers which require more digits than are allowed in the DFHWS2LS mappings. If it is acceptable for CICS to impose this maximum length then you may safely ignore this message.

Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the xsd:any construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML schema or WSDL is not acceptable then other options exist:

- If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.
- If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.
- If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.

Other products may exist that can help process or omit the problematic XML constructs. For example, IBM's Rational Developer for System Z (RDz) product supports a "meet-in-middle" mapping scenario that allows omitting of specific XML constructs.
Recursion within type type is not supported.

Explanation
An XML schema contains a type definition which is defined recursively. DFHWS2LS and DFHSC2LS do not support recursive definitions. The recursively defined type is type.

System action
The Web services or XML assistant continues processing.

User response
Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the xsd:any construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML schema or WSDL is not acceptable then other options exist:

- If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.
- If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.
- If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.

Other products may exist that can help process or omit the problematic XML constructs. For example, IBM’s Rational Developer for System Z (RDz) product supports a "meet-in-middle" mapping scenario that allows omitting of specific XML constructs.

Module: DFHWS2LS, DFHSC2LS

Required schema type type cannot be found.

Explanation
There is an error in an XML schema. A schema type definition cannot be found. The missing type is type.

System action
The Web services or XML assistant continues processing.

User response
Correct the XML schema or the WSDL document and then resubmit the DFHWS2LS or DFHSC2LS job to reprocess the input document.

URI uri cannot be resolved. Consider checking that the HTTP Proxy is correct.

Explanation
A namespace reference cannot be resolved. DFHWS2LS or DFHSC2LS has attempted to use the URI from the namespace to resolve the reference but has not been able to do so. This may be because a HTTP proxy service has not been specified or because there is no content available at the location implied by the URI. The URI is uri.

System action
The Web services or XML assistant continues processing.

User response
Specify the location of the HTTP proxy to use via the HTTPPROXY parameter. If the correct proxy has already been specified or if there is genuinely no content available at the location implied by the URI then add a schemaLocation XML attribute to the WSDL.
or schema in order to allow the namespace to be resolved.

**Module:** DFHWS2LS, DFHSC2LS

**Destination**
SYSPRINT

**DFHPI9027 E** The XML parser has found an error: value at line line and column column in document document.

**Explanation**
The XML parser that is used to read XML schemas has encountered a problem. The problem has been found in document document at line line and column column. The message issued by the XML parser is: value.

**System action**
The Web services or XML assistant continues processing.

**User response**
Correct the problem and then resubmit the DFHWS2LS or DFHSC2LS job to re-process the input document.

**Module:** DFHWS2LS, DFHSC2LS

**Destination**
SYSPRINT

**DFHPI9028 E** The length of schema element element is set to value characters. CICS only supports up to value2 characters.

**Explanation**
An XML schema contains element element. This element specifies a maximum size which is too large for DFHWS2LS or DFHSC2LS to support. The XML schema has requested a length of up to value characters but the largest number supported is value2 characters.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the xsd:any construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML schema or WSDL is not acceptable then other options exist:

- If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.

- If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.

- If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.

Other products may exist that can help process or omit the problematic XML constructs. For example, IBM's Rational Developer for System Z (RDz) product supports a "meet-in-middle" mapping scenario that allows omitting of specific XML constructs.

**Module:** DFHWS2LS, DFHSC2LS

**Destination**
SYSPRINT

**DFHPI9029 E** Implicit padding (slack bytes) are not supported for PL/I. Please change the language structure to ensure that all slack bytes are explicitly referenced and that top level structures start on a double-word boundary. Slack bytes are needed near or around field field.

**Explanation**
DFHLS2WS, DFHLS2SC and DFHLS2JS are unable to determine the location of where slack bytes (also known as filler bytes) should be placed when PL/I is used to define a language structure. It has been determined that one or more slack bytes are needed
somewhere near to field field, though the precise location is not known.

**System action**
The Web services or XML assistant continues processing.

**User response**
Change the language structure to ensure that every byte is explicitly referenced and so that the first entry in the language structure starts on a double word boundary. If you are unable to predict precisely where filler fields must be placed to meet these requirements you could consider marking the fields as UNALIGNED and recompiling the application.

Any sub-structures within the language structure must begin on the same alignment as the most aligned item within the structure.

If you are using DFHLS2WS then an alternative solution is to create a wrapper program. A wrapper program is a program which accepts input in a format that is suitable for use with DFHLS2WS and maps that input to the format needed by the target program. It then issues a LINK to the target program before converting the response back to an output format which is also suitable for use with DFHLS2WS.

**Module:**
DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT

**Explanation**
DFHLS2WS or DFHLS2SC has encountered a problem whilst parsing a language structure. It has reached the end of the language structure and has found insufficient closing statements to match the number of opening statements, or has found an empty sub-structure, or has found a COBOL language structure that consists entirely of FILLER fields. This message can imply an internal processing error has occurred that requires a fix from IBM.

DFHLS2WS or DFHLS2SC is unable to determine which line in the language structure starts the sub-structure that is empty, FILLER filled or unclosed. This message is generated as a back-stop condition to prevent an erroneous WSBind file being deployed to CICS.

The conditions under which this message may be issued are:

- A field in a PL/I language structure has been defined without specifying the data type. In this scenario the
Assistants may assume that the field is the start of an empty sub-structure.

- A sub-structure exists in the language structure, but each entry within the sub-structure is unsupported.
- A sub-structure in COBOL consists entirely of FILLER fields.
- DFHLS2WS or DFHLS2SC has failed to understand an entry in the language structure. This may be due to a spelling mistake in the language structure, or the presence of an unsupported keyword.

**System action**

The Web services or XML assistant continues processing.

**User response**

Change the language structure to correct any other reported problems. Supply explicit definitions for any fields which have been defined with default characteristics.

Ensure that the language structure is well formed. Check that the compiler is able to understand the language structure.

Replace the entire COBOL sub-structure with a single FILLER of the same total length.

If these changes do not resolve the problem then contact your IBM support representative for further assistance.

**Module:**

DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**

SYSPRINT

**Explanation**

An XML schema contains a schema attribute wild card (the `<anyAttribute>` XML schema tag). DFHWS2LS and DFHSC2LS do not support attributes that are referenced in this way.

**System action**

The Web services or XML assistant continues processing and the schema attribute wild card is ignored. If at runtime a message containing unrecognized attributes is received these attributes are ignored.

**User response**

Consider whether the value of these attributes is important to your application. If it is acceptable for CICS to ignore these attributes then you may safely ignore this message.

Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the `xsd:any` construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML schema or WSDL is not acceptable then other options exist:

- If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.

- If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.

- If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.

Other products may exist that can help process or omit the problematic XML constructs. For example, IBM’s Rational Developer for System Z (RDz) product supports a "meet-in-middle" mapping scenario that allows omitting of specific XML constructs.

**Module:**

DFHWS2LS, DFHSC2LS

**Explanation**

An XML or JSON element has been defined twice within the same construct. This is not supported by the Assistants except through the use of minOccurs and maxOccurs attributes. CICS does support arrays of...
elements with the same name, but not a sequence of two or more identically named elements.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the xsd:any construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML schema or WSDL is not acceptable then other options exist:

- If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.
- If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.
- If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.

Other products may exist that can help process or omit the problematic XML constructs. For example, IBM’s Rational Developer for System Z (RDz) product supports a “meet-in-middle” mapping scenario that allows omitting of specific XML constructs.

**Module:**
DFHWS2LS, DFHSC2LS, DFHJS2LS

**Destination**
SYSPRINT

**DFHPI9034 W** Schema type `type` is being restricted to a total of `value` digits.

**Explanation**
An XML schema document contains type definition `type`. This type specifies a total number of digits which is too large for the target programming language to support. DFHSC2LS is restricting the type definition to a total of value digits.

**System action**
The XML assistant continues processing. If at runtime an XML document is processed with a value which is too large for the target field in the language structure then a conversion error will be indicated.

**User response**
Consider whether you need to be able to support numbers which require more digits than are allowed in the DFHSC2LS mappings. If it is acceptable for CICS to impose this maximum length then you may safely ignore this message.

Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the xsd:any construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML schema or WSDL is not acceptable then other options exist:

- If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.
- If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.
- If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.

Other products may exist that can help process or omit the problematic XML constructs. For example, IBM’s Rational Developer for System Z (RDz) product supports a “meet-in-middle” mapping scenario that allows omitting of specific XML constructs.

**Module:**
DFHSC2LS

**Destination**
SYSPRINT
Explanation

An XML schema cannot be found within the specified document.

System action

The Web services or XML assistant continues processing.

User response

Correct the WSDL or SCHEMA input parameter to point to a valid document that contains XML schemas.

Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the xsd:any construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML schema or WSDL is not acceptable then other options exist:

- If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.
- If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.
- If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.

Other products may exist that can help process or omit the problematic XML constructs. For example, IBM’s Rational Developer for System Z (RDz) product supports a "meet-in-middle" mapping scenario that allows omitting of specific XML constructs.

Module:
DFHWS2LS, DFHSC2LS

Destination
SYSPRINT

---

Explanation

An XML schema contains an abstract data type. Abstract data types are supported at mapping level 2.2. At earlier mapping levels they are tolerated, but the mappings used are unlikely to be acceptable.

System action

The Web services or XML assistant continues processing and the abstract data type is treated as a non-abstract data type.

User response

Consider using mapping level 2.2.

Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the xsd:any construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML schema or WSDL is not acceptable then other options exist:

- If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.
- If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.
- If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.

Other products may exist that can help process or omit the problematic XML constructs. For example, IBM’s Rational Developer for System Z (RDz) product supports a "meet-in-middle" mapping scenario that allows omitting of specific XML constructs.

Module:
DFHWS2LS, DFHSC2LS
XML Schema model groups are not supported within <choice> structures. Problem found in type type.

Explanation
An XML model group (xsd:choice, xsd:sequence, xsd:all or xsd:group) has been found within an xsd:choice structure. This is not supported at mapping levels 2.1 and below. Some of these restrictions are removed at mapping level 2.2.

Xsd:choice constructs are not supported within other xsd:choice constructs at any mapping level.

System action
The Web services or XML assistant continues processing.

User response
Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the xsd:any construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML schema or WSDL is not acceptable then other options exist:

- If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.
- If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.
- If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.

Other products may exist that can help process or omit the problematic XML constructs. For example, IBM’s Rational Developer for System Z (RDz) product supports a "meet-in-middle" mapping scenario that allows omitting of specific XML constructs.

Module:
DFHWS2LS, DFHSC2LS

Other products may exist that can help process or omit the problematic XML constructs. For example, IBM’s Rational Developer for System Z (RDz) product supports a "meet-in-middle" mapping scenario that allows omitting of specific XML constructs.

Module:
DFHWS2LS, DFHSC2LS

The number of options for an enumerated set of options exceeds the maximum supported value of 255.

Explanation
An XML schema referenced within the input document contains an enumerated construct with more than 255 possible substitutable values. This may be an xsd:choice construct, a substitution group or an abstract data type.

System action
The Web services or XML assistant continues processing.

User response
Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the xsd:any construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML schema or WSDL is not acceptable then other options exist:

- If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.
- If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.
- If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.
Other products may exist that can help process or omit the problematic XML constructs. For example, IBM's Rational Developer for System Z (RDz) product supports a "meet-in-middle" mapping scenario that allows omitting of specific XML constructs.

**Module:**
DFHWS2LS, DFHSC2LS

**Destination**
SYSPRINT

**DFHPI9039 E** Substitution groups within xsd:choice constructs are not supported. The substitution group name is name.

**Explanation**
An xsd:element that has a substitution group has been found within an xsd:choice construct. This combination of constructs is not supported.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the xsd:any construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML schema or WSDL is not acceptable then other options exist:

- If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.
- If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.
- If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.

**DFHPI9040 E** Array name occurs occurring times. The largest supported value is max.

**Explanation**
An internal limitation limits the maximum supported size for an array. There is an array in the input data that is larger than this maximum value.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the xsd:any construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML schema or WSDL is not acceptable then other options exist:

- If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.
- If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.
- If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.
Other products may exist that can help process or omit the problematic XML constructs. For example, IBM's Rational Developer for System Z (RDz) product supports a "meet-in-middle" mapping scenario that allows omitting of specific XML constructs.

**Module:**
DFHWS2LS, DFHSC2LS, DFHLS2WS, DFHLS2SC, DFHJS2LS, DFHLS2JS

**Destination**
SYSPRINT

**DFHPI9500 E**  
An internal error has occurred. Please contact IBM Support.

**Explanation**
The Web services or XML assistant has caught an unexpected exception.

**System action**
The Web services or XML assistant continues processing.

**User response**
Review any other messages that have been issued by the assistant. If those messages suggest remedies to the problem then act on them.

If after resolving any other problems this message is still being issued, you should contact your IBM support representative for further assistance. You are likely to be asked to supply the LOGFILE that was generated by the assistants.

**Module:**
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

**Destination**
SYSPRINT

**DFHPI9502 E**  
One or more incorrect parameters have been specified.

**Explanation**
The Web services or XML assistant cannot continue as one or more errors have been detected in the input parameters.

**System action**
The Web services or XML assistant fails with a return code of 8.

**User response**
Correct the errors in the input parameters details of which can be found in the previous messages issued.

**Module:**
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

**Destination**
SYSPRINT

**DFHPI9503 E**  
Required parameter parameter is missing.

**Explanation**
A required parameter is missing from the input parameters. The missing parameter is parameter.

**System action**
The Web services or XML assistant continues processing.

**User response**
Provide a value for the missing parameter.

**Module:**
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS
Destination
SYSPRINT

DFHPI9504 E Parameter parameter has been specified but is not valid for program program.

Explanation
A parameter has been specified that was not expected. For example, a value may have been provided for the BINDING parameter in DFHLS2WS. A BINDING is only valid as input to DFHWS2LS. The unexpected parameter is parameter.

System action
The Web services or XML assistant continues processing.

User response
Remove the unexpected parameter.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

DFHPI9505 E Invalid value specified for the LANG parameter. Valid values are: COBOL, PLI-ENTERPRISE, PLI-OTHER, C or CPP.

Explanation
An invalid value has been specified for the LANG parameter.

System action
The Web services or XML assistant continues processing.

User response
Correct the value of the LANG parameter.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

DFHPI9506 E Parameter parameter exceeds the maximum valid length of max characters. The supplied value is value.

Explanation
The value of parameter parameter is too long.

System action
The Web services or XML assistant continues processing.

User response
Change value value to be no longer than max characters long.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

DFHPI9507 W Parameter parameter is not set therefore parameter parameter2 is ignored.

Explanation
Parameter parameter2 has been ignored because parameter parameter is not set. For example, a PGMINT value only makes sense if a PROGRAM value has also been supplied.

System action
The Web services or XML assistant continues processing.

User response
Consider removing the unexpected parameter.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

DFHPI9509 E Parameter parameter contains invalid characters.
Explanation
One or more invalid characters have been found in parameter parameter.

System action
The Web services or XML assistant continues processing.

User response
Correct the value of the parameter.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC,
DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

DFHPI9510 W Invalid value specified for the PGMINT parameter. Valid values are: CHANNEL or COMMAREA. The default value of CHANNEL is assumed.

Explanation
An invalid value has been specified for the PGMINT parameter.

System action
The Web services assistant continues processing.

User response
Correct the value of the PGMINT parameter.

Module:
DFHWS2LS, DFHLS2WS, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

DFHPI9511 W Parameter PGMINT is set to CHANNEL but parameter CONTID is not set. The default value of CONTID is assumed.

Explanation
The program interface has been defined as 'Channel' but a container name has not been provided to indicate the name of the container that CICS should populate at runtime. A default value of value has been assumed.

System action
The Web services assistant continues processing.

User response
Consider whether the default container name is acceptable. If you are enabling an existing channel based application as a Web service then it is likely that the default container name is incorrect. If the default container name is acceptable then you can safely ignore this message.

Module:
DFHWS2LS, DFHLS2WS, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

DFHPI9512 W Parameter CONTID is set but not needed for PGMINT=COMMAREA. Parameter CONTID is ignored.

Explanation
The CONTID input parameter has been specified but is ignored as the program interface has been defined to be a commarea.

System action
The Web services assistant continues processing.

User response
Consider either removing the CONTID parameter or changing the PGMINT to CHANNEL.

Module:
DFHWS2LS, DFHLS2WS, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

DFHPI9513 W The value of parameter parameter is missing a file extension, extension is assumed.

Explanation
A file extension has not been provided for the Binding file. If you wish to use the PIPELINE scan mechanism for automatically creating WEBSERVICE resources from WSBind files then you must use an extension of '.wsbind'. This extension is assumed for WSBind files. An extension of '.xsdbind' is assumed for XSDBind files.
**System action**
The Web services assistant or XML assistant continues processing.

**User response**
Consider adding '.wsbind' to the end of your WSBIND parameter or '.xsdbind' to the end of your XSDBIND parameter value.

**Module:**
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

**Destination**
SYSPRINT

**Explanation**
A file extension other than the default one has been used for the Binding file. If you wish to use the PIPELINE scan mechanism for automatically creating WEBSERVICE resources from WSBind files then you must use an extension of '.wsbind'. The default extension for XSDBind files is '.xsdbind'.

**System action**
The Web services assistant or XML assistant continues processing.

**User response**
Consider changing the extension of the WSBIND parameter to '.wsbind', or the value of the XSDBIND parameter to '.xsdbind'.

**Module:**
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

**Destination**
SYSPRINT

**Explanation**
The PDS library specified in the PDSLIB input parameter exists but cannot be read. This may be because the userid under which the Web services or XML assistant is executing does not have permission to view the PDS or because an exclusive lock is being held by another process.

**System action**
The Web services or XML assistant continues processing.

**User response**
Ensure that permission is assigned to allow the assistant to read from the PDSLIB. Ensure that no other process has a lock on the PDSLIB.

**Module:**
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

**Destination**
SYSPRINT

**Explanation**
The PDS library specified in the PDSLIB input parameter exists but cannot be written to. This may be because the userid under which the Web services or XML assistant is executing does not have permission to alter the PDS or because an exclusive lock is being held by another process.

**System action**
The Web services or XML assistant continues processing.
System action
The Web services or XML assistant continues processing.

User response
Ensure that permission is assigned to allow the assistant to alter the PDSLIB. Ensure that no other process has a lock on the PDSLIB.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

Explanation
The PDS library specified in the PDSLIB input parameter specifies a record length less than 80 characters. DFHWS2LS and DFHSC2LS requires 80 characters for the creation of language structures, it is therefore likely that truncation will occur.

System action
The Web services or XML assistant continues processing.

User response
Consider changing the PDSLIB to a fixed record data set with a logical record length of 80 characters.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

DFHPI9519 E Codepage codepage is not recognized.

Explanation
The codepage indicated in the PDSCP input parameter is not recognized. The Web services or XML assistant uses the codepage support built in to Java, Java does not recognize the named code page.

System action
The Web services or XML assistant continues processing.

User response
Remove or correct the PDSCP parameter. If the PDSCP parameter is not set then the same codepage is used when reading from and writing to the PDS library as is used when reading from and writing to zFS. This codepage is determined according to the default codepage configured for Unix System Services.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

DFHPI9520 E Parameter RESPMEM and parameter REQMEM must supply different values.

Explanation
The same language structure name has been used for both the request and the response messages. DFHWS2LS requires that these names be unique even if it is likely that the generated language structures will be identical.

System action
The Web services assistant continues processing.

User response
Change one of the REQMEM and RESPMEM input parameters in order to make them unique.

Module:
DFHWS2LS, DFHJS2LS

Destination
SYSPRINT

DFHPI9521 E The record format of PDS member member must be FB and have a record length of 80.

Explanation
The location at which the language structures are to be written to or read from is not a fixed block PDS member.
System action
The Web services or XML assistant continues processing.

User response
Change the location of the PDSLIB input parameter to indicate a FB data set.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

Explanation:

DFHPI9522 E File file cannot be read.

Explanation
File file exists but cannot be read. This may be because the userid under which the assistants are executing does not have access permission to the specified resource.

System action
The Web services or XML assistant continues processing.

User response
Correct the problem.

Module:
DFHLS2WS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

Explanation:

DFHPI9523 E An unexpected error occurred whilst processing file file. The problem is: value.

Explanation
An exception was caught whilst attempting to process file file. The exception included a message to identify the problem which is indicated in value. Some error messages will just repeat the file name.

DFHJS2LS, DFHWS2LS, and DFHSC2LS require an exclusive lock on the partitioned data set to which they are writing language structures. This message might be issued if an exclusive lock is not currently available or access permissions for the file are incorrect.

System action
The Web services, JSON, or XML assistant continues processing.

User response
Check the access permissions for the file to ensure that the user ID running the assistant has write access. Check that no other applications or users are accessing the PDS. Correct the identified problem.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

Explanation:

DFHPI9524 E File file cannot be written to.

Explanation
File file exists but cannot be written to. This may be because the userid under which DFHWS2LS or DFHSC2LS is executing does not have write permission to the specified resource.

System action
The Web services or XML assistant continues processing.

User response
Correct the problem.

Module:
DFHWS2LS, DFHSC2LS, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

Explanation:

DFHPI9525 E Cannot write a file because directory directory does not exist.

Explanation
Directory directory does not exist. Therefore the Web services or XML assistant is unable to create an output file that should be written to that directory.

System action
The Web services or XML assistant continues processing.
User response
Either create the directory or change the input parameters to indicate a different output location.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

DFHPI9526 E Cannot write a file because directory directory is not writable.

Explanation
Directory directory exists but the userid under which the Web services or XML assistant is executing does not have write permission to create a new file within it.

System action
The Web services or XML assistant continues processing.

User response
Either change the permissions for the directory or change the input parameters to indicate a different output location.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

DFHPI9527 E Cannot write to the log file, file, is not writable.

Explanation
File file exists but the userid under which the Web services or XML assistant is executing does not have write permission to change it.

System action
The Web services or XML assistant continues processing.

User response
Either change the permissions for the file or change the input parameters to indicate a different input file.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

DFHPI9528 E Cannot find or read file file.

Explanation
File file either does not exist or the userid under which the Web services or XML assistant is executing does not have permission to read it.

System action
The Web services or XML assistant continues processing.

User response
Either change the permissions for the file or correct the input parameters to indicate a different input file.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

DFHPI9529 W Characters beyond column column have been truncated for line line.

Explanation
The input parameters extend beyond character 72. The problematic line identified is line.

System action
The Web services or XML assistant continues processing.

User response
Either change the indicated line to use less than 72 characters of data or use the '*' line continuation character and continue on the next line.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT
Explanation
An unrecognized parameter has been found amongst the input parameters.

System action
The Web services assistant continues processing.

User response
Consider removing the named parameter.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

Explanation
The STRUCTURE input parameter is not well formed. It may only contain bracket characters at the start and end of the value.

System action
The Web services assistant continues processing.

User response
Correct the value of the STRUCTURE input parameter.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

Explanation
An invalid character has been found in parameter character.

System action
The Web services assistant continues processing.

User response
Correct the value of the named input parameter.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

Explanation
The wire signature for two or more WSDL operations is identical. CICS needs the wire signatures to be different in order to determine which operation is being invoked.

The wire signature is determined by the immediate child elements of the SOAP body tag. If RPC style SOAP messages are used then the name of the WSDL Operation is included in the SOAP message and CICS
can therefore determine the operation that is being invoked at runtime. If document style WSDL is used then the operation name is only included in the SOAP message if the WSDL conforms to the 'wrapped' pattern - in which case the first tag within the body of the SOAP envelope is the name of the operation.

If the operation name is not included in the SOAP message then CICS requires that each of the operations in the WSDL have unique signatures. If the request message for an operation is empty then the signature is reported as 'null'. If two or more operations share the same signature then this message is issued. This requirement is also present in the WSi Basic Profile specification which defines the rules to follow if you wish your WSDL to work with most Web services implementations.

**System action**
The Web services assistant continues processing.

**User response**
Either remove or exclude one of the WSDL operations, or change the WSDL to specify RPC encoding or to conform to the 'wrapped document' style of encoding.

**Module:**
DFHWS2LS

**Destination**
SYSPRINT

**Explanation**
Operation *operation* in the WSDL document has a wire signature that is longer than `value` characters. DFHWS2LS cannot process this operation. The wire signature is used to determine the operation that is being invoked based on the sequence of XML child elements found within the SOAP:body element at runtime. If there are a large number of such child elements or the child elements have unusually long names then the generated signature may be too large.

**System action**
The Web services assistant continues processing.

**User response**
Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the `xsd:any` construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML schema or WSDL is not acceptable then other options exist:

- If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.
- If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.
- If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.

Other products may exist that can help process or omit the problematic XML constructs. For example, IBM's Rational Developer for System Z (RDz) product supports a "meet-in-middle" mapping scenario that allows omitting of specific XML constructs.

**System action**
The Web services or XML assistant continues processing.

**Other products may exist that can help process or omit the problematic XML constructs. For example, IBM's Rational Developer for System Z (RDz) product supports a "meet-in-middle" mapping scenario that allows omitting of specific XML constructs.**
User response
Change the C header file to include the required user defined type.

Module:
DFHLS2WS, DFHLS2SC, DFHLS2JS

Destination
SYSPRINT

DFHPI9537 W Compiler directive directive has been ignored.

Explanation
DFHLS2WS or DFHLS2SC has found a compiler directive within the C or C++ header file. Compiler directives are not supported.

System action
The Web services or XML assistant continues processing.

User response
Consider removing the compiler directive from the header file. If the compiler directive is important to how the compiler processes the structures within the header file then it may be necessary to change those structures in order to ensure that DFHLS2WS or DFHLS2SC interprets them correctly.

Module:
DFHLS2WS, DFHLS2SC, DFHLS2JS

Destination
SYSPRINT

DFHPI9538 E The required struct entry cannot be found.

Explanation
DFHLS2WS or DFHLS2SC is unable to locate a required structure which is referenced in the C or C++ header file.

System action
The Web services or XML assistant continues processing.

User response
Change the C header file to include the required structure.

Module:
DFHLS2WS, DFHLS2SC, DFHLS2JS

Destination
SYSPRINT

DFHPI9539 E An invalid character character has been found.

Explanation
An invalid character has been found in the C or C++ header file.

System action
The Web services or XML assistant continues processing.

User response
Correct the header file.

Module:
DFHLS2WS, DFHLS2SC, DFHLS2JS

Destination
SYSPRINT

DFHPI9540 E Unsupported keyword keyword has been found.

Explanation
DFHLS2WS, DFHLS2SC or DFHLS2JS has detected a keyword keyword that is not currently supported.

System action
The Web services or XML assistant continues processing.

User response
Consider removing the unsupported keyword from the input file.

If you are using DFHLS2WS and the keyword is important to the shape of the language structure in memory then it may be necessary to create a wrapper program. A wrapper program is a program which accepts input in a format that is suitable for use with DFHLS2WS and maps that input to the format needed by the target program. It then issues a LINK to the target program before converting the response back to an output format which is also suitable for use with DFHLS2WS.
DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT

**DFHIP9541 E** Fixed point decimal types are not supported.

**Explanation**
DFHLS2WS, DFHLS2SC or DFHLS2JS has detected an unsupported data type in a C or C++ header file.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider removing the unsupported data type from the input file.

If you are using DFHLS2WS and the data type is important to the shape of the language structure in memory then it may be necessary to create a wrapper program. A wrapper program is a program which accepts input in a format that is suitable for use with DFHLS2WS and maps that input to the format needed by the target program. It then issues a LINK to the target program before converting the response back to an output format which is also suitable for use with DFHLS2WS.

DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT

**DFHIP9542 E** Unsupported macro macro has been found.

**Explanation**
DFHLS2WS, DFHLS2SC or DFHLS2JS has found a macro within the C or C++ header file. Macros are not supported.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider removing the unsupported macro from the input file.

If you are using DFHLS2WS and the macro is important to the shape of the language structure in memory then it may be necessary to create a wrapper program. A wrapper program is a program which accepts input in a format that is suitable for use with DFHLS2WS and maps that input to the format needed by the target program. It then issues a LINK to the target program before converting the response back to an output format which is also suitable for use with DFHLS2WS.

DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT

**DFHIP9543 E** Constant constant is not supported in array dimension.

**Explanation**
DFHLS2WS, DFHLS2SC or DFHLS2JS has found a constant within an array declaration. This is not supported.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider removing the unsupported constant from the input file.

If you are using DFHLS2WS and the constant is important to the shape of the language structure in memory then it may be necessary to create a wrapper program. A wrapper program is a program which accepts input in a format that is suitable for use with DFHLS2WS and maps that input to the format needed by the target program. It then issues a LINK to the target program before converting the response back to an output format which is also suitable for use with DFHLS2WS.

DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT

**DFHIP9544 W** Unsupported keyword keyword has been found and ignored.
**Explanation**
DFHLS2WS, DFHLS2SC or DFHLS2JS has detected a keyword *keyword* that is not currently supported, it has been ignored.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider whether it is acceptable that this keyword has been ignored. If it is acceptable then you can safely ignore this message.

If you are using DFHLS2WS and this restriction is not acceptable then it may be necessary to create a wrapper program. A wrapper program is a program which accepts input in a format that is suitable for use with DFHLS2WS and maps that input to the format needed by the target program. It then issues a LINK to the target program before converting the response back to an output format which is also suitable for use with DFHLS2WS.

**Module:** DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT

---

**Explanation**
DFHLS2WS, DFHLS2SC or DFHLS2JS has detected and ignored an assignment operator within a C or C++ header file.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider removing the assignment operator from the header file.

**Module:** DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT

---

**Explanation**
DFHLS2WS, DFHLS2SC or DFHLS2JS has detected and ignored an initialization operator within a C or C++ header file.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider removing the initialization operator from the header file.

**Module:** DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT

---

**Explanation**
DFHLS2WS, DFHLS2SC or DFHLS2JS has encountered a variable *value* within a C or C++ header file that is not part of a structure or part of a type definition. This is not supported.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider removing the named variable from the header file.

**Module:** DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT

---

**Explanation**
DFHLS2WS, DFHLS2SC or DFHLS2JS has encountered a variable *value* within a C or C++ header file that is not part of a structure or part of a type definition. This is not supported.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider removing the named variable from the header file.

**Module:** DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT

---

**Explanation**
DFHLS2WS, DFHLS2SC or DFHLS2JS has detected a keyword *keyword* that is not currently supported, it has been ignored.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider whether it is acceptable that this keyword has been ignored. If it is acceptable then you can safely ignore this message.

If you are using DFHLS2WS and this restriction is not acceptable then it may be necessary to create a wrapper program. A wrapper program is a program which accepts input in a format that is suitable for use with DFHLS2WS and maps that input to the format needed by the target program. It then issues a LINK to the target program before converting the response back to an output format which is also suitable for use with DFHLS2WS.

**Module:** DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT
Explanation
DFHLS2WS, DFHLS2SC or DFHLS2JS has been unable to locate a requested structure within a C or C++ header file.

System action
The Web services or XML assistant continues processing.

User response
Correct or supply a value for the STRUCTURE input parameter. This message may be issued as a result of syntax errors within the header file causing the structure to be misunderstood, review the contents of the file and correct any syntax errors found.

Module: DFHLS2WS, DFHLS2SC, DFHLS2JS

Destination SYSPRINT

DFHPI9549 E A type definition has been found with no instance and no label.

Explanation
DFHLS2WS, DFHLS2SC or DFHLS2JS has detected a type definition in the C or C++ header file that is either missing a label or is missing an instance name.

System action
The Web services or XML assistant continues processing.

User response
Correct or supply a value for the STRUCTURE input parameter.

Module: DFHLS2WS, DFHLS2SC, DFHLS2JS

Destination SYSPRINT

DFHPI9550 E Duplicate type name name found.

Explanation
DFHLS2WS, DFHLS2SC or DFHLS2JS has detected a duplicate type definition in the C or C++ header file.

User response
Correct the header file.

Module: DFHLS2WS, DFHLS2SC, DFHLS2JS

Destination SYSPRINT

DFHPI9552 E Value value is not a valid integer in file 'fileName'.

Explanation
DFHLS2WS, DFHLS2SC or DFHLS2JS has encountered a value that should be numeric but does not appear to be a valid integer. The problematic value is value.

System action
The Web services or XML assistant continues processing.

User response
Correct the language structure.

Module:
DFHLS2WS, DFHLS2SC, DFHLS2JS

Destination
SYSPRINT

**DFHPI9553 E**

**PICTURE** *picture* is not supported for BINARY fields, or DISPLAY fields before mapping level 1.2.

**Explanation**
DFHLS2WS, DFHLS2SC or DFHLS2JS has detected a PICTURE clause that it does not currently support for BINARY or DISPLAY data types.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider removing the unsupported PICTURE from the input file.
If you are using DFHLS2WS and the PICTURE is important to the shape of the language structure in memory then it may be necessary to create a wrapper program. A wrapper program is a program which accepts input in a format that is suitable for use with DFHLS2WS and maps that input to the format needed by the target program. It then issues a LINK to the target program before converting the response back to an output format which is also suitable for use with DFHLS2WS.

**Module:**
DFHLS2WS, DFHLS2SC, DFHLS2JS

---

**Explanation**
DFHLS2WS, DFHLS2SC or DFHLS2JS has detected a PICTURE clause that it does not currently support.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider removing the unsupported PICTURE from the input file.

If you are using DFHLS2WS and the PICTURE is important to the shape of the language structure in memory then it may be necessary to create a wrapper program. A wrapper program is a program which accepts input in a format that is suitable for use with DFHLS2WS and maps that input to the format needed by the target program. It then issues a LINK to the target program before converting the response back to an output format which is also suitable for use with DFHLS2WS.

**Module:**
DFHLS2WS, DFHLS2SC, DFHLS2JS

---

**Explanation**
Top level structure found within the main structure.

**System action**
The Web services or XML assistant continues processing.

**User response**
Remove the 01 level identifier from within the language structure.

**Module:**
DFHLS2WS, DFHLS2SC, DFHLS2JS

---

**Explanation**
An unexpected error occurred whilst writing to file *file*. The problem is: *value*.

**System action**
The Web services or XML assistant continues processing.

**User response**
An exception was caught whilst attempting to write to file *file*. The exception included a message to identify the problem which is indicated in *value*.
**System action**
The Web services or XML assistant continues processing.

**User response**
Correct the identified problem.

**Module:**
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

**Destination**
SYSPRINT

**Explanation**
One or more error messages and one or more warning messages have been issued by the Web services or XML assistant.

**System action**
The web services or XML assistant fails with return code 12.

**User response**
Resolve the previously issued error messages and consider addressing the warning messages.

**Module:**
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

**Destination**
SYSPRINT

**Explanation**
One or more error messages have been issued by the Web services or XML assistant.

**System action**
The web services or XML assistant fails with return code 12.

**User response**
Resolve the previously issued error messages.

**Module:**
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

**Destination**
SYSPRINT

**Explanation**
Illegal character character has been found at the start of a name and replaced with X.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider whether the new name is appropriate to expose in the XML. If you are unhappy with the

**Explanation**
Illegal character character has been found in a name and replaced with X.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider whether the new name is appropriate to expose in the XML. If you are unhappy with the
name chosen you can either change the language structure and re-run the job, or change the XML and run DFHWS2LS or DFHSC2LS against it. @QKC

**Module:**
DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT

**DFHP19561 I** Identifier identifier has generated a name-clash for operation operation. Subsequent declarations have been renamed to ensure their uniqueness.

**Explanation**
DFHLS2WS, DFHLS2SC or DFHLS2JS has detected a field name in the language structure which will clash with another name when converted to XML. The name has been changed to ensure that this does not happen.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider whether the new name is appropriate to expose in the XML. If you are unhappy with the name chosen you can either change the language structure and re-run the job, or change the XML and run DFHWS2LS or DFHSC2LS against it.

**Module:**
DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT

**DFHP19562 E** Parameter PGMINT is specified with value COMMAREA but there is too much data required for a COMMAREA.

**Explanation**
DFHLS2WS or DFHLS2JS has been asked to process language structures for a commarea based PROGRAM. The language structures processed require more than 32K of data and therefore are too large for use with a commarea.

**System action**
The Web services assistant continues processing.

**User response**
Consider changing the PGMINT input parameter to CHANNEL rather than COMMAREA.

**Module:**
DFHLS2WS, DFHLS2JS

**Destination**
SYSPRINT

**DFHP19563 E** Unsupported PL/I source code detected in line line.

**Explanation**
DFHLS2WS, DFHLS2SC or DFHLS2JS has spotted a line of PL/I based code that it does not support at line line.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider removing the unsupported line from the input file.

If you are using DFHLS2WS and the line is important to the shape of the language structure in memory then it may be necessary to create a wrapper program. A wrapper program is a program which accepts input in a format that is suitable for use with DFHLS2WS and maps that input to the format needed by the target program. It then issues a LINK to the target program before converting the response back to an output format which is also suitable for use with DFHLS2WS.

**Module:**
DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT

**DFHP19564 W** A terminating ; is missing, it is assumed to be at the end of the file.

**Explanation**
The termination character for a language structure is missing. It is assumed that the end of file indicates the end of the language structure.
System action
The Web services or XML assistant continues processing.

User response
Correct the language structure.

Module:
DFHLS2WS, DFHLS2SC, DFHLS2JS

Destination
SYSPRINT

DFHPI9565 E ALIGNED and UNALIGNED keywords are not supported for an entire structure.

Explanation
An ALIGNED keyword or an UNALIGNED keyword has been applied to a structure in a PL/I language structure. This is not supported in DFHLS2WS or DFHLS2SC.

System action
The Web services or XML assistant continues processing.

User response
Change each entry within the language structure to specify ALIGNED or UNALIGNED individually.

Module:
DFHLS2WS, DFHLS2SC, DFHLS2JS

Destination
SYSPRINT

DFHPI9566 E The FIXED and FLOAT attributes are both missing: value.

Explanation
DFHLS2WS, DFHLS2SC or DFHLS2JS has determined that a DECIMAL or BINARY field in a PL/I language structure does not declare whether it is of type FIXED or type FLOAT. DFHLS2WS and DFHLS2SC require that the language structure explicitly states the data type.

System action
The Web services or XML assistant continues processing.

User response
Either correct the language structure or change the LANG input parameter to specify PLI-ENTERPRISE.

Module:
DFHLS2WS, DFHLS2SC, DFHLS2JS

Destination
SYSPRINT

DFHPI9567 E Too many digits have been specified for a packed decimal field: value.

Explanation
DFHLS2WS, DFHLS2SC or DFHLS2JS has spotted an error in a PL/I language structure. A packed decimal field has specified a greater number of digits than can be supported for that language.

System action
The Web services or XML assistant continues processing.

User response
Correct the language structure.

Module:
DFHLS2WS, DFHLS2SC, DFHLS2JS

Destination
SYSPRINT

DFHPI9568 E The UNSIGNED attribute is not supported unless PLI-ENTERPRISE is specified: value.

Explanation
DFHLS2WS, DFHLS2SC or DFHLS2JS has spotted an error in a PL/I language structure. The UNSIGNED keyword has been used even though it is not available before Enterprise level PL/I.

System action
The Web services or XML assistant continues processing.

User response
Either correct the language structure or change the LANG input parameter to specify PLI-ENTERPRISE.
Module:
DFHLS2WS, DFHLS2SC, DFHLS2JS

Destination
SYSPRINT

DFHP19569 E  Unsupported PL/I source code detected after line line.

Explanation
DFHLS2WS, DFHLS2SC or DFHLS2JS has spotted a line of PL/I based code that it does not support after line line.

System action
The Web services or XML assistant continues processing.

User response
Consider removing the unsupported line from the input file.

If you are using DFHLS2WS and the line is important to the shape of the language structure in memory then it may be necessary to create a wrapper program. A wrapper program is a program which accepts input in a format that is suitable for use with DFHLS2WS and maps that input to the format needed by the target program. It then issues a LINK to the target program before converting the response back to an output format which is also suitable for use with DFHLS2WS.

Module:
DFHLS2WS, DFHLS2SC, DFHLS2JS

Destination
SYSPRINT

DFHP19570 E  FIXED BINARY types with length greater than 31 are not supported unless PLI-ENTERPRISE is specified: value.

Explanation
DFHLS2WS, DFHLS2SC or DFHLS2JS has detected an error in a PL/I language structure. A FIXED BINARY length greater than 31 has been specified. This is not allowed for versions of PL/I prior to Enterprise PL/I.

System action
The Web services or XML assistant continues processing.

User response
Consider whether or not this assumption is appropriate. If it is not then you should either change the language structure to replace the ordinal data type with an equivalent data type.

If you are using DFHLS2WS then you could write a wrapper program. A wrapper program is a program which accepts input in a format that is suitable for use with DFHLS2WS and maps that input to the format needed by the target program. It then issues a LINK to the target program before converting the response back to an output format which is also suitable for use with DFHLS2WS.

Module:
DFHLS2WS, DFHLS2SC, DFHLS2JS

Destination
SYSPRINT

DFHP19572 E  ORDINAL types are only supported if PLI-ENTERPRISE is specified: value.

Explanation
DFHLS2WS, DFHLS2SC or DFHLS2JS has detected an error in a PL/I language structure. A FIXED BINARY length greater than 31 has been specified. This is not allowed for versions of PL/I prior to Enterprise PL/I.

System action
The Web services or XML assistant continues processing.
**Explanation**
DFHLS2WS, DFHLS2SC or DFHLS2JS has detected an error in a PL/I language structure. An ordinal data type has been specified. This is not allowed for versions of PL/I prior to Enterprise PL/I.

**System action**
The Web services or XML assistant continues processing.

**User response**
Either correct the language structure or change the LANG input parameter to specify PLI-ENTERPRISE.

**Module:** DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT

**Explanation**
DFHLS2WS, DFHLS2SC or DFHLS2JS has detected a BIT field in a PL/I language structure which specifies a number of bits that are not exactly divisible by 8. This is not supported by DFHLS2WS.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider changing the language structure to remove this field or to change its length to a multiple of 8.

If you are using DFHLS2WS then consider writing a wrapper program. A wrapper program is a program which accepts input in a format that is suitable for use with DFHLS2WS and maps that input to the format needed by the target program. It then issues a LINK to the target program before converting the response back to an output format which is also suitable for use with DFHLS2WS.

**Module:** DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT

**Explanation**
Lengths less that one are not supported for array data types: `dataType`.

**System action**
The Web services or XML assistant continues processing.

**User response**
Correct the problem.

**Module:** DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT

**Explanation**
The length of a PICTURE cannot be found: `value`.

**System action**
The Web services or XML assistant continues processing.

**User response**
Correct the problem.

**Module:** DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT

**Explanation**
FIXED BINARY data types with a scaling factor of the form (p,q) with q not equal to 0 are not supported: `value`.

**System action**
The Web services or XML assistant continues processing.

**User response**
Correct the problem.

**Module:** DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT
**Explanation**

DFHLS2WS, DFHLS2SC or DFHLS2JS has detected an unsupported data type in a PL/I language structure. FIXED BINARY scaling factors are not supported.

**System action**

The Web services or XML assistant continues processing.

**User response**

Consider removing the unsupported data type from the input file.

If you are using DFHLS2WS and the data type is important to the shape of the language structure in memory then it may be necessary to create a wrapper program. A wrapper program is a program which accepts input in a format that is suitable for use with DFHLS2WS and maps that input to the format needed by the target program. It then issues a LINK to the target program before converting the response back to an output format which is also suitable for use with DFHLS2WS.

**Module:**
DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**

SYSPRINT

**DFHP19577 E**

**Precision factor factor is out of supported range: value.**

**Explanation**

DFHLS2WS, DFHLS2SC or DFHLS2JS has detected an error in a PL/I language structure. A precision factor is either too large or too small to be supported.

**System action**

The Web services or XML assistant continues processing.

**User response**

Correct the problem.

**Module:**
DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**

SYSPRINT

**DFHP19578 E**

**FIXED DECIMAL data types with a scaling factor of the form (p,q) with q greater than p are not supported: value.**

**Explanation**

DFHLS2WS, DFHLS2SC or DFHLS2JS has detected an unsupported data type in a PL/I language structure. CICS is unable to support scaling factors in the form (p,q) where q is greater than p.

**System action**

The Web services or XML assistant continues processing.

**User response**

Consider removing the unsupported data type from the input file.

If you are using DFHLS2WS and the data type is important to the shape of the language structure in memory then it may be necessary to create a wrapper program. A wrapper program is a program which accepts input in a format that is suitable for use with DFHLS2WS and maps that input to the format needed by the target program. It then issues a LINK to the target program before converting the response back to an output format which is also suitable for use with DFHLS2WS.

**Module:**
DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**

SYSPRINT

**DFHP19579 E**

**FIXED DECIMAL data types with a scaling factor of the form (p,q) with q less than 0 are not supported: value.**

**Explanation**

DFHLS2WS, DFHLS2SC or DFHLS2JS has detected an unsupported data type in a PL/I language structure. CICS is unable to support scaling factors in the form (p,q) where q is less than 0.

**System action**

The Web services or XML assistant continues processing.
User response
Consider removing the unsupported data type from the input file.

If you are using DFHLS2WS and the data type is important to the shape of the language structure in memory then it may be necessary to create a wrapper program. A wrapper program is a program which accepts input in a format that is suitable for use with DFHLS2WS and maps that input to the format needed by the target program. It then issues a LINK to the target program before converting the response back to an output format which is also suitable for use with DFHLS2WS.

**Module:** DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT

**Explanation**
The Web services or XML assistant has replaced existing PDS member member.

**System action**
The Web services or XML assistant continues processing.

**User response**
No user action is required. You may safely ignore this message.

**Module:** DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFJS2LS, DFHLS2JS

**Destination**
SYSPRINT

**Explanation**
The Web services or XML assistant has replaced existing file file.

**System action**
The Web services or XML assistant continues processing.

**User response**
Ensure that all other processes which have locks on the PDS release those locks.

**Module:** DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFJS2LS, DFHLS2JS

**Destination**
SYSPRINT

**Explanation**
The Web services or XML assistant has replaced existing file file.

**System action**
The Web services or XML assistant continues processing.

**User response**
No user action is required. You may safely ignore this message.

**Module:** DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFJS2LS, DFHLS2JS

**Destination**
SYSPRINT

**Explanation**
The supplied WSDL contains an element with different minOccurs and maxOccurs values. This is only supported when PGMINT is set to CHANNEL or when 'INLINE-MAXOCCURS-LIMIT' is set to a higher value than maxOccurs.

**System action**
The Web services or XML assistant continues processing.

**User response**
No user action is required. You may safely ignore this message.

**Module:** DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFJS2LS, DFHLS2JS

**Destination**
SYSPRINT

**Explanation**
DFHWS2LS has detected an XML element which will occur in a SOAP message an unknown number of times. This is supported at mapping level 2.1 if the INLINE-MAXOCCURS-LIMIT parameter is set to a value greater than the maxOccurs value.
If maxOccurs is set to 'unbounded', or if the mapping level is less than 2.1, or if INLINE-MAXOCCURS-LIMIT is less than maxOccurs then DFHWS2LS will cause the runtime data to be stored in a separate container. This in turn requires the use of PGMINT=CHANNEL.

**System action**
The Web services assistant continues processing.

**User response**
Consider changing the value of INLINE-MAXOCCURS-LIMIT.
If that is not an appropriate action then change the value of the PGMINT input parameter to CHANNEL.

**Module:** DFHWS2LS

**Destination**
SYSPRINT

---

**DFHPI9584 E**

The WSDL file contains at least one request message but the REQMEM parameter has not been set.

**Explanation**
DFHWS2LS needs to generate one or more language structures for request messages but the REQMEM input parameter has not been set.

**System action**
The Web services assistant continues processing.

**User response**
Specify a value for the REQMEM input parameter.

**Module:** DFHWS2LS

**Destination**
SYSPRINT

---

**DFHPI9585 W** A reserved word word has been detected in the input document, it has been changed to value.

**Explanation**
An element name has been detected in the WSDL, XML schema or JSON schema document that is not valid as a keyword in the target programming language. It has been renamed as indicated.

**System action**
The Web services or XML assistant continues processing.

**User response**
You may safely ignore this message.

**Module:** DFHWS2LS, DFHSC2LS, DFHJS2LS

**Destination**
SYSPRINT

---

**DFHPI9585 E** The WSDL file contains at least one response message but the RESPMEM parameter has not been set.

**Explanation**
DFHWS2LS needs to generate one or more language structures for response messages but the RESPMEM input parameter has not been set.

**System action**
The Web services assistant continues processing.

**User response**
Specify a value for the RESPMEM input parameter.

**Module:** DFHWS2LS

**Destination**
SYSPRINT

---

**DFHPI9587 I** Program program has completed SUCCESSFULLY.

**Explanation**
The Web services or XML assistant has completed processing. No error or warning messages have been issued.
System action
The Web services or XML assistant ends with return code 0.

User response
You may safely ignore this message.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLSC2, DFJLS2LS, DFHL2JS

Destination
SYSPRINT

DFHPI9588 E  WSDL binding binding has no operation elements in the WSDL.

Explanation
DFHWS2LS has not found any WSDL operations associated with WSDL binding binding.

System action
The Web services assistant continues processing.

User response
Either correct the WSDL document or supply a different value for the BINDING input parameter.

Module:
DFHWS2LS

Destination
SYSPRINT

DFHPI9589 E  The supplied WSDL requires too much data for a CICS Commarea. The PGMINT parameter must be set to CHANNEL.

Explanation
The Assistants have been asked to generate language structures for a commarea based PROGRAM. The language structures generated require more than 32K of data and therefore are too large for use with a commarea.

System action
The Web services assistant continues processing.

User response
Consider changing the PGMINT input parameter to CHANNEL rather than COMMAREA.

Module:
DFHWS2LS, DFHJS2LS

Destination
SYSPRINT

DFHPI9590 E  A style attribute has not been specified for WSDL operation operation.

Explanation
DFHWS2LS has detected an error in the WSDL document. The binding for WSDL operation operation must have a 'style' specified. The style may be either 'rpc' or 'document'.

System action
The Web services assistant continues processing.

User response
Correct the WSDL.

Module:
DFHWS2LS

Destination
SYSPRINT

DFHPI9591 E  No input message has been found for WSDL operation operation.

Explanation
DFHWS2LS has encountered a problem with the WSDL document. Operation operation is missing a WSDL input message. DFHWS2LS does not support response only Web services.

System action
The Web services assistant continues processing.

User response
Either correct the WSDL document or specify a different BINDING input parameter.

Module:
DFHWS2LS
An unexpected soapAction attribute is missing for WSDL operation operation.

Explanation
DFHWS2LS has detected an error in the WSDL document. The WSDL binding is missing a soapAction attribute for operation operation. In WSDL 2.0 the soapAction is specified using an attribute called 'action'.

System action
The Web services assistant continues processing.

User response
Consider whether the absence of the soapAction is a problem. If your application does not require the soapAction attribute then you can safely ignore this message.

Module:
DFHWS2LS

An unexpected soapAction attribute has been found for WSDL operation operation. This can only be used with SOAP version 1.1.

Explanation
DFHWS2LS has detected an error in the WSDL document. The WSDL binding specifies a soapAction attribute, a concept that only applies to SOAP version 1.1. However, the WSDL binding requests the use of SOAP version 1.2.

System action
The Web services assistant continues processing.

User response
Remove the soapAction attribute from the WSDL document.

Module:
DFHWS2LS

The WSDL binding contains a mixture of rpc and document style attributes. This is not supported.

Explanation
DFHWS2LS has encountered a problem processing the WSDL document. The WSDL binding specifies a mixture of 'rpc' style messages and 'document' style messages. DFHWS2LS does not support mixed styles within a binding.

System action
The Web services assistant continues processing.

User response
Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the xsd:any construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML...
If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.

If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.

If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.

Other products may exist that can help process or omit the problematic XML constructs. For example, IBM’s Rational Developer for System Z (RDz) product supports a “meet-in-middle” mapping scenario that allows omitting of specific XML constructs.

**Module:**
DFHWS2LS

**Destination**
SYSPRINT

**DFHPI9596 E**  The WSDL Binding for operation operation is missing an input message.

**Explanation**
DFHWS2LS has encountered a problem with the WSDL document. Binding binding for operation operation is missing a WSDL input binding. DFHWS2LS does not support response only Web services.

**System action**
The Web services assistant continues processing.

**User response**
Either correct the WSDL document or specify a different BINDING input parameter.

**Module:**
DFHWS2LS

**Destination**
SYSPRINT

**DFHPI9597 E**  The WSDL file specifies a 'use' attribute value of value. Only literal WSDL is supported.

**Explanation**
DFHWS2LS has encountered a problem with the WSDL document. The WSDL binding specifies a 'use' attribute value of value. DFHWS2LS only supports a value of 'literal'.

**System action**
The Web services assistant continues processing.

**User response**
Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the xsd:any construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML schema or WSDL is not acceptable then other options exist:

- If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.

- If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.

- If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.

Other products may exist that can help process or omit the problematic XML constructs. For example, IBM’s Rational Developer for System Z (RDz) product supports a “meet-in-middle” mapping scenario that allows omitting of specific XML constructs.

**Module:**
DFHWS2LS

**Destination**
SYSPRINT

**DFHPI9598 E**  WSDL binding binding references more than one transport protocol. Only one protocol is supported.
**Explanation**

DFHWS2LS has encountered a problem with the WSDL document. The WSDL binding specifies more than one transport protocol. DFHWS2LS only supports one transport protocol per binding.

**System action**

The Web services assistant continues processing.

**User response**

Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the xsd:any construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML schema or WSDL is not acceptable then other options exist:

- If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.
- If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.
- If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.

Other products may exist that can help process or omit the problematic XML constructs. For example, IBM’s Rational Developer for System Z (RDz) product supports a "meet-in-middle" mapping scenario that allows omitting of specific XML constructs.

**Module:** DFHWS2LS

**Destination**

SYSPRINT

DFHPI9599 E WSDL binding binding is not associated with a transport protocol.

**Explanation**

DFHWS2LS has encountered a problem with the WSDL document. The WSDL binding specifies no transport protocols. DFHWS2LS requires one transport protocol per binding.

**System action**

The Web services assistant continues processing.

**User response**

Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the xsd:any construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML schema or WSDL is not acceptable then other options exist:

- If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.
- If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.
- If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.

Other products may exist that can help process or omit the problematic XML constructs. For example, IBM’s Rational Developer for System Z (RDz) product supports a "meet-in-middle" mapping scenario that allows omitting of specific XML constructs.

**Module:** DFHWS2LS

**Destination**

SYSPRINT

DFHPI9600 E The WSDL file contains multiple binding elements. The BINDING parameter must be set to specify which one to use.
Explanation
The WSDL document contains more than one binding element. The BINDING input parameter was not set therefore DFHWS2LS cannot determine which WSDL binding to process.

System action
The Web services assistant continues processing.

User response
Specify a value for the BINDING input parameter.

Module:
DFHWS2LS

Destination
SYSPRINT

DFHPI9601 E  Binding element element cannot be found in the WSDL file. Only one of the following values may be specified: value.

Explanation
The value of the BINDING input parameter does not identify a binding element in the WSDL document.

System action
The Web services assistant continues processing.

User response
Correct the value of the BINDING input parameter.

Module:
DFHWS2LS

Destination
SYSPRINT

DFHPI9602 E  WSDL binding binding is not a SOAP binding.

Explanation
DFHWS2LS has detected that the WSDL binding does not indicate the use of SOAP. DFHWS2LS only supports Web services that use SOAP.

System action
The Web services assistant continues processing.

User response
Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the xsd:any construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML schema or WSDL is not acceptable then other options exist:

- If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.
- If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.
- If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.

Other products may exist that can help process or omit the problematic XML constructs. For example, IBM’s Rational Developer for System Z (RDz) product supports a “meet-in-middle” mapping scenario that allows omitting of specific XML constructs.

Module:
DFHWS2LS

Destination
SYSPRINT

DFHPI9603 E  Multiple WSDL service elements exist for a single binding element. Only one is supported unless the 'WSDL-SERVICE' parameter is set.

Explanation
DFHWS2LS has encountered a problem processing the WSDL document. The WSDL specifies more than one WSDL service element for use with the WSDL binding. DFHWS2LS only supports a single WSDL service per binding.

System action
The Web services assistant continues processing.
User response
Specify the specific WSDL service element to be used.
Do this by setting an appropriate value for the WSDL-SERVICE parameter.

Module:
DFHWS2LS

Destination
SYSPRINT
DFHPI9604 E File file does not contain valid XML.

Explanation
The WSDL or schema document does not appear to contain XML. It may have been corrupted in transit or the wrong file may have been specified.

System action
The Web services or XML assistant continues processing.

User response
Ensure that the value of the WSDL or SCHEMA input parameter identifies the correct file. Ensure that this file has been stored in the correct codepage.

Module:
DFHWS2LS, DFHSC2LS

Destination
SYSPRINT
DFHPI9605 E The value of the XML encoding attribute must match that of the underlying file system. For example, the value UTF-8 may be appropriate.

Explanation
The XML encoding pseudo-attribute in the prolog of the WSDL or XML schema document appears to be incorrect. The value of this attribute must match the encoding in which the WSDL document is stored in the file system.

System action
The Web services or XML assistant continues processing.

User response
Either correct or remove the encoding attribute. It is likely that the correct value should be UTF-8.

Module:
DFHWS2LS, DFHSC2LS

Destination
SYSPRINT
DFHPI9606 E The value of the XML encoding attribute must match that of the underlying file system. For example, the value EBCDIC-CP-US may be appropriate.

Explanation
The XML encoding pseudo-attribute in the prolog of the WSDL or XML schema document appears to be incorrect. The value of this attribute must match the encoding in which the WSDL document is stored in the file system.

System action
The Web services or XML assistant continues processing.

User response
Either correct or remove the encoding attribute. It is likely that the correct value should be EBCDIC-CP-US; for example, <?xml version="1.0" encoding="EBCDIC-CP-US"?>. If you transfer WSDL and XML schema documents between platforms using FTP then consider doing so in Binary mode, this will ensure that the files arrive in the same encoding as was used on the source platform, the encoding attribute within the document will therefore remain correct. Similar care is required over any additional WSDL or XML schema documents imported or included within the initial document.

Module:
DFHWS2LS, DFHSC2LS

Destination
SYSPRINT
DFHPI9607 E An unexpected error occurred whilst processing WSDL operation operation. The problem is: value.
Explanation
The Assistants have encountered a problem whilst processing the WSDL or XML schema document. An exception has been caught which includes a message details of which are available in value.

System action
The Web services or XML assistant continues processing.

User response
Correct the identified problem.

Module:
DFHWS2LS, DFHSC2LS, DFHSJ2LS

Destination
SYSPRINT

DFHPI9608 W
WARNINGS have been generated processing file file.

Explanation
The Web services or XML assistant has completed and has issued one or more warning messages.

System action
The Web services or XML assistant ends with return code 4.

User response
Read the previously issued warning messages and decide on what if any actions must be taken.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFJS2LS, DFHLS2JS

Destination
SYSPRINT

DFHPI9609 I
Parameter parameter has value value.

Explanation
The value of parameter parameter is value.

System action
The Web services or XML assistant continues processing.

User response
You may safely ignore this message.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFJS2LS, DFHLS2JS

Destination
SYSPRINT

DFHPI9610 W
Platform platform is not a supported platform for this API.

Explanation
The Web services or XML assistant has detected that it is executing on a platform that is not currently supported. If you experience any problems whilst executing the Web services assistant on this platform you may receive a reduced level of support from IBM.

System action
The Web services assistant continues processing.

User response
Consider hosting the Web services or XML assistant on a platform that is supported such as z/OS.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFJS2LS, DFHLS2JS

Destination
SYSPRINT

DFHPI9611 W
All content after the first ';' for line line is ignored.

Explanation
DFHLS2WS, DFHLS2SC or DFHLS2JS has spotted a line termination character part way through what appears to be a line of PL/I code. The rest of that line is not processed.

System action
The Web services or XML assistant continues processing.

User response
Consider whether it is correct to ignore the end of the line. If there is significant data still to be processed
then edit the input file in order to supply the data in a format that DFHLS2WS or DFHLS2SC can understand.

**Module:**
DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT

**DFHPI9612 E** Provider mode Web services with more than one operation must specify 'PGMINT=CHANNEL'.

**Explanation**
DFHWS2LS has determined that there is more than one operation associated with the binding in the WSDL document. If there is more than one operation supported by a provider mode WEBSERVICE then the CICS application which implements the Web service will have to determine the operation invoked using the contents of the DFHWS-OPERATION container.

This container is only available if the CICS application is linked to with a channel rather than a commarea.

**System action**
The Web services assistant continues processing.

**User response**
Consider changing the PGMINT input parameter to CHANNEL rather than COMMAREA.

**Module:**
DFHWS2LS

**Destination**
SYSPRINT

**DFHPI9613 E** Mapping level level is not recognized.

**Explanation**
An invalid value has been specified for the MAPPING-LEVEL parameter.

**System action**
The Web services or XML assistant continues processing.

**User response**
Correct the value of the MAPPING-LEVEL parameter.

**Module:**
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFJS2LS, DFHLS2JS

**Destination**
SYSPRINT

**DFHPI9614 I** Mapping level old has been requested. The most current mapping level available is new.

**Explanation**
An old mapping level has been requested. More recent mapping levels have enhanced support for XML and language structures that may not be available at the mapping level requested.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider switching to the most current mapping level.

**Module:**
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFJS2LS, DFHLS2JS

**Destination**
SYSPRINT

**DFHPI9615 E** The version of Java in use is current. The minimum version of Java required is required.

**Explanation**
The Web services or XML assistants require a more recent version of Java in order to execute.

**System action**
The Web services or XML assistant continues processing.

**User response**
Ensure you have the correct minimum version of Java installed. The 'JAVADIR' option of the JCL procedure used to launch the Web services assistant may be used to specify a version of Java other than the default.

**Module:**
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFJS2LS, DFHLS2JS
National characters in COBOL are assumed to be DBCS characters: line.

A language structure processed by the Assistants contains fields which are declared to contain National characters. National characters are only partially supported. The assistants assume that all fields defined to contain National values do so using DBCS.

The Web services or XML assistant continues processing.

Consider whether you intend these fields to contain pure DBCS data. If this is expected then you can safely ignore this message. If you intend the field to contain UTF-16 data then you cannot make use of the Web services or XML assistants to expose your application as a Web service. You could instead consider writing your own XML capable SOAP 'apphandler'.

Change the value of the PGMINT input parameter to CHANNEL.

DFHLS2WS, DFHLS2SC, DFHLS2JS

The input data contains an element with unknown length content which should be stored in a separate CONTAINER. This is only supported when PGMINT is set to CHANNEL.

DFHWS2LS has detected a schema element with content that must be mapped to a container. This is only supported if the PGMINT input parameter is set to CHANNEL.

A parameter has been specified that is not supported at the requested mapping level.

Either change the mapping level to one where the parameter is supported, or remove the parameter.

DFHLS2WS, DFHLS2SC, DFHLS2JS

The keyword keyword has been specified. This requires the use of LANG=PLI-ENTERPRISE.

Change the value of the LANG input parameter to PLI-ENTERPRISE.

DFHLS2WS, DFHLS2SC, DFHLS2JS

Parameter parameter has been specified. It is not supported at mapping level level.
**DFHPI9620 E**  
_CCSID CCSID is not recognized._

**Explanation**  
The value of the CCSID parameter is not recognized as a valid CCSID. The Web services or XML assistant attempts to determine the codepage name associated with the CCSID by pre-pending 'Cp' to the front of the CCSID. If the resultant codepage name is not supported by Java then this message will be issued.

**System action**  
The Web services or XML assistant continues processing.

**User response**  
Change the value of the CCSID parameter to one supported by Java.

**Module:**  
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

**Destination**  
SYSPRINT

---

**DFHPI9621 W**  
_CCSID CCSID is not recognized as an EBCDIC CCSID. Use of this CCSID may cause problems when the Web service is executed._

**Explanation**  
The value of the CCSID parameter is not recognized as one of the family of EBCDIC code pages. The CICS XML transformation service only supports EBCDIC code pages.

Use of the requested CCSID may lead to incorrect behavior in CICS and in some cases may result in internal error messages being issued by the Web services or XML assistant.

**System action**  
The Web services or XML assistant continues processing.

---

**DFHPI9622 E**  
_Invalid value specified for the parameter parameter. The length specified must be a positive integer between min and max._

**Explanation**  
An invalid value has been specified for a parameter. The value must be a number between the specified minimum and maximum values.

**System action**  
The Web services or XML assistant continues processing.

**User response**  
Correct the value of the parameter.

**Module:**  
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

**Destination**  
SYSPRINT

---

**DFHPI9623 E**  
_Invalid value specified for the CHAR-VARYING parameter. Valid values are: NULL, NO or YES._

**Explanation**  
An invalid value has been specified for the CHAR-VARYING parameter.

**System action**  
The Web services or XML assistant continues processing.

**User response**  
Correct the value of the CHAR-VARYING parameter.

**Module:**  
DFHWS2LS, DFHSC2LS, DFHJS2LS
Destination
SYSPRINT
DFHPI9624 E Invalid value specified for the FLOAT parameter. Valid values are: IEEE, HEX or HEXADEC.

Explanation
An invalid value has been specified for the FLOAT parameter.

System action
The Web services or XML assistant continues processing.

User response
Correct the value of the FLOAT parameter.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT
DFHPI9625 E Invalid value specified for the CHAR-VARYING parameter. Valid values are: NULL, NO, COLLAPSE or BINARY.

Explanation
An invalid value has been specified for the CHAR-VARYING parameter.

System action
The Web services or XML assistant continues processing.

User response
Correct the value of the CHAR-VARYING parameter.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT
DFHPI9627 E Minimum runtime level level is not recognized.

Explanation
The value of the MINIMUM-RUNTIME-LEVEL parameter is invalid.

System action
The Web services or XML assistant continues processing.

User response
Correct the value of the MINIMUM-RUNTIME-LEVEL parameter.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT
DFHPI9628 E Parameter parameter has been specified but it is not compatible with the specified minimum runtime level.

Explanation
Parameter parameter is not allowed to be used at the specified minimum runtime level.
**System action**
The Web services or XML assistant continues processing.

**User response**
Either remove the unexpected parameter or specify a different value for the MINIMUM-RUNTIME-LEVEL parameter.

**Module:**
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

**Destination**
SYSPRINT

DFHPI9629 I The minimum runtime level required for this Web service is level.

**Explanation**
The Web service or XML binding file created by the Web services or XML assistant requires a particular minimum level of runtime capability from CICS. This minimum level of capability is called the 'minimum runtime level'. Any attempt to install the binding file into a version of CICS that does not support the level runtime level will result in error messages being issued.

**System action**
The Web services or XML assistant continues processing.

**User response**
No action is required.

**Module:**
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

**Destination**
SYSPRINT

DFHPI9630 E Field field requires a character array length of length but the largest length that can be used in language is maxlen.

**Explanation**
There is a maximum length for an array of characters in the target programming language. A character array is required that exceeds this length.

**System action**
The Web services or XML assistant continues processing.

**User response**
Several options exist for addressing this problem. Consider changing the value of the LANG parameter to a language that does support this length of character array. Consider changing the MAPPING-LEVEL if a higher level is available. Consider changing the XML schema for the field that triggered this message to indicate a shorter length or maxLength.
Module: DFHWS2LS, DFHSC2LS, DFHJS2LS

Destination SYSPRINT

DFHPI9632 E URI uri is invalid. The reported problem is: problem.

Explanation
An invalid URI has been specified. This may be the value of the URI parameter or a URI within a WSDL document or XML schema.

System action
The Web services or XML assistant continues processing.

User response
The value of the URI must be corrected.

Module: DFHWS2LS, DFHSC2LS, DFHJS2LS, DFHLSC2SC, DFHJS2LS, DFHLSC2JS

Destination SYSPRINT

DFHPI9633 E Invalid value specified for the SOAPVER parameter. Valid values are: 1.1, 1.2 or ALL.

Explanation
An invalid value has been specified for the SOAPVER parameter.

System action
The Web services assistant continues processing.

User response
Correct the value of the SOAPVER parameter.

Module: DFHWS2LS, DFHLS2WS

Destination SYSPRINT

DFHPI9635 E WSDL reusable binding binding may only be used if the WSDL-SERVICE parameter is specified.

Explanation
The BINDING that has been specified is not associated with a specific WSDL interface. The WSDL-SERVICE parameter must also be set in order to indicate which interface the BINDING is used with.

System action
The Web services assistant continues processing.

User response
Specify a value for the WSDL-SERVICE parameter.

Module: DFHWS2LS

Destination SYSPRINT

DFHPI9636 E WSDL operation operation cannot be found.

Explanation
An operation specified using the OPERATIONS parameter cannot be located within the WSDL document.

System action
The Web services assistant continues processing.
User response
Correct the value of the OPERATIONS parameter.

Module:
DFHWS2LS

Destination
SYSPRINT

**DFHPI9637 W** One or more WSDL operations have not been processed for a provider mode Web service.

**Explanation**
A WSDL service with multiple operations has been processed by DFHWS2LS. One or more WSDL operations described within that WSDL document have been ignored due to the value of the OPERATIONS parameter.

**System action**
The Web services assistant continues processing.

**User response**
Consider whether it is acceptable or possible that a request may be sent to CICS for one of the ignored operations. If this happens then CICS will be unable to process that request.

If this is unacceptable then consider removing the OPERATIONS parameter.

Module:
DFHWS2LS

Destination
SYSPRINT

**DFHPI9638 W** The minimum runtime level required for this Web service is greater than the mapping level due to the use of WSDL 2.0

**Explanation**
DFHWS2LS has been executed against a WSDL 2.0 document. The generated WSBind file can only be installed into a CICS region at runtime level 2.0 or above. A mapping level prior to 2.0 has been requested which implies that backwards compatibility with a prior version of CICS is required.

**System action**
The Web services assistant continues processing.

**User response**
Consider whether it is acceptable for the Web service to require runtime level 2.0. Consider using a mapping level that exploits the capabilities of a runtime 2.0 environment.

Module:
DFHWS2LS

Destination
SYSPRINT

**DFHPI9639 E** WSDL 2.0 has been used but it is not compatible with the specified minimum runtime level.

**Explanation**
DFHWS2LS has been executed against a WSDL 2.0 document. The generated WSBind file can only be installed into a CICS region at runtime level 2.0 or above. A minimum runtime level prior to 2.0 has been requested.

**System action**
The Web services assistant continues processing.

**User response**
Change the minimum runtime level to allow the use of runtime level 2.0 capabilities.

Module:
DFHWS2LS

Destination
SYSPRINT

**DFHPI9640 I** This Web service should be installed into a PIPELINE that uses SOAP version `soapver`.

**Explanation**
The WSDL for this Web service specifies a specific version of SOAP is required. In order to satisfy this requirement the WSBind file produced must be installed into an appropriately configured PIPELINE.

CICS may enforce this requirement at the time that the WSBind file is installed into CICS.
If DFHLS2WS was used with a SOAPVER value of ALL then the WSBind file must be installed into a SOAP 1.2 PIPELINE. This is because a provider mode PIPELINE for SOAP 1.2 is able to support both SOAP 1.2 and SOAP 1.1 concurrently.

**System action**
The Web services assistant continues processing.

**User response**
This message is for informational purposes only. The Web service deployer should be aware of the requirement for a specific SOAP version at the time that the Web service is deployed.

**Module:**
DFHWS2LS, DFHLS2WS

**Destination**
SYSPRINT

**Explanation**
A WSDL operation processed by DFHWS2LS specifies a content model that is not supported by CICS. CICS only supports content models of 'ELEMENT' and 'NONE'. Any other value implies that a content model other than XML Schema is used.

**System action**
The Web services assistant continues processing.

**User response**
The CICS Web services assistants cannot be used to process this WSDL document.

**Module:**
DFHWS2LS

**Destination**
SYSPRINT

**Explanation**
A WSDL operation processed by DFHWS2LS specifies a message exchange pattern that is not supported by CICS. CICS only supports MEPs of 'In-Only', 'Robust-In-Only', 'In-Optional-Out' and 'In-Out'.

**System action**
The Web services assistant continues processing.

**User response**
Consider removing the unsupportable operation from the WSDL document.

**Module:**
DFHWS2LS

**Destination**
SYSPRINT

**Explanation**
A WSDL service processed by DFHWS2LS indicates that a particular runtime capability is required for the service. This capability is identified with a URI. This capability is mandatory.

An example of a capability that may be identified in the @QKC WSDL is the use of MTOM/XOP.

**System action**
The Web services assistant continues processing.

**User response**
This message is for informational purposes only. The Web service deployer should identify the capability implied by the URI and ensure that the WSBind file is installed into an appropriately configured PIPELINE.

**Module:**
DFHWS2LS

**Destination**
SYSPRINT

**Explanation**
This Web service supports a capability implied by URI uri.
Explanation
A WSDL service processed by DFHWS2LS indicates that a particular runtime capability is supported for the service. This capability is identified with a URI. This capability is optional.
An example of a capability that may be identified in the @QKC WSDL is the use of MTOM/XOP.

System action
The Web services assistant continues processing.

User response
This message is for informational purposes only. The Web service deployer should identify the capability implied by the URI and consider deploying the WSBind file into a PIPELINE that is configured to implement this capability.

Module: DFHWS2LS

Destination
SYSPRINT

DFHPI9646 I Operation operation supports a capability implied by URI uri.

Explanation
A WSDL operation processed by DFHWS2LS indicates that a particular runtime capability is supported for the operation. This capability is identified with a URI. This capability is optional.
An example of a capability that may be identified in the @QKC WSDL is the use of MTOM/XOP.

System action
The Web services assistant continues processing.

User response
This message is for informational purposes only. The Web service deployer should identify the capability implied by the URI and consider deploying the WSBind file into a PIPELINE that is configured to implement this capability.

Module: DFHWS2LS

Destination
SYSPRINT

DFHPI9647 I The request message for operation operation requires a capability implied by URI uri. It must be installed into an appropriate PIPELINE.

Explanation
A WSDL message processed by DFHWS2LS indicates that a particular runtime capability is required for the message. This capability is identified with a URI. This capability is mandatory.
An example of a capability that may be identified in the @QKC WSDL is the use of MTOM/XOP.

System action
The Web services assistant continues processing.

User response
This message is for informational purposes only. The Web service deployer should identify the capability implied by the URI and ensure that the WSBind file is installed into an appropriately configured PIPELINE.

Module: DFHWS2LS

Destination
SYSPRINT
The request message for operation \textit{operation} supports a capability implied by URI \textit{uri}.

**Explanation**

A WSDL message processed by DFHWS2LS indicates that a particular runtime capability is supported for the message. This capability is identified with a URI. This capability is optional.

An example of a capability that may be identified in the @QKC WSDL is the use of MTOM/XOP.

**System action**

The Web services assistant continues processing.

**User response**

This message is for informational purposes only. The Web service deployer should identify the capability implied by the URI and ensure that the WSBind file is installed into an appropriately configured PIPELINE.

**Module:** DFHWS2LS

The response message for operation \textit{operation} supports a capability implied by URI \textit{uri}.

**Explanation**

A WSDL message processed by DFHWS2LS indicates that a particular runtime capability is required for the message. This capability is identified with a URI. This capability is optional.

An example of a capability that may be identified in the @QKC WSDL is the use of MTOM/XOP.

**System action**

The Web services assistant continues processing.

**User response**

This message is for informational purposes only. The Web service deployer should identify the capability implied by the URI and consider deploying the WSBind file into a PIPELINE that is configured to implement this capability.

**Module:** DFHWS2LS

The response message for operation \textit{operation} requires a capability implied by URI \textit{uri}. It must be installed into an appropriate PIPELINE.

**Explanation**

A WSDL message processed by DFHWS2LS indicates that a particular runtime capability is required for the message. This capability is identified with a URI. This capability is mandatory.

An example of a capability that may be identified in the @QKC WSDL is the use of MTOM/XOP.

**System action**

The Web services assistant continues processing.

**User response**

This message is for informational purposes only. The Web service deployer should identify the capability implied by the URI and consider deploying the WSBind file into a PIPELINE that is configured to implement this capability.

**Module:** DFHWS2LS

The value of parameter \textit{parameter1} is incompatible with the value of parameter \textit{parameter2}.

**Explanation**

Two conflicting parameter values have been specified in the input parameters for the Web services or XML assistant. At least one of these values must be changed before processing can continue.

For example, the WSDL\_1\_1 and WSDL\_2\_0 parameters cannot both indicate the same file name.
System action
The Web services or XML assistant continues processing.

User response
Correct the specified input parameters and retry the operation.

Module:
DFHWS2LS DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

**DFHP19652 W**
A required but unsupported WSDL extensibility element has been detected. The element is of type type.

Explanation
DFHWS2LS has processed a WSDL document that includes unrecognized extensions. These extensions demand that they must be understood.

DFHWS2LS is unaware of what these WSDL extensions mean. They could potentially affect the runtime behavior of the Web service. For example, they could indicate that some form of extra processing is required.

System action
The Web services assistant continues processing.

User response
Consider whether the required extensions indicated in the WSDL are important. If they are then it may be necessary to perform further configuration to the PIPELINE in which the WSBind file is deployed.

It may be necessary to implement handler programs on the PIPELINE to perform the processing that the WSDL document indicates is required.

Module:
DFHWS2LS

Destination
SYSPRINT

**DFHP19654 W**
An unsupported Policy element has been found. The element is of type type in namespace namespace.

Explanation
DFHWS2LS has processed a WSDL document that includes WS-Policy Policy elements. One of these Policy elements is of a type which is not directly supported by CICS.

CICS only implements support for WS-Security policies.

System action
The Web services assistant continues processing. The unsupported Policy elements are included in the CICS WS-Policy file.

User response
It may be necessary to configure the PIPELINE into which the WSBind file is deployed in order to ensure that the requirements of the Policy statement are enforced. This may require the creation of new handler programs for the PIPELINE.
The supplied WSDL file contains a message exchange pattern of in-opt-out. This is only supported when PGMINT is set to CHANNEL.

DFHWS2LS has processed a WSDL document that includes an operation defined as having an optional response. This form of WSDL operation requires the use of a CICS Channel.

The Web services assistant continues processing.

Change the value of the PGMINT parameter to specify a value of CHANNEL.

The WSDL file does not contain any binding elements. There must be at least one WSDL binding.

DFHWS2LS has processed a WSDL document that does not include any binding elements. DFHWS2LS requires that there is at least one SOAP binding in the WSDL document.

The Web services assistant continues processing.

Alter the WSDL document so that it does include a WSDL binding.

Directory directory cannot be read.

A directory in the Unix file system cannot be accessed. This is probably because the userid the Web services or XML assistant is executing under does not have read permission for the directory (or one of its parent directories).

Ensure that the userid used is granted permission to read the directory indicated.

Module: DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

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**Destination**
SYSPRINT

**DFHPI9659 E**  
Directory directory is not a valid directory.

**Explanation**
A directory in the Unix file system is invalid. This is probably because the name specified indicates a specific file rather than a directory.

**System action**
The Web services or XML assistant continues processing.

**User response**
Ensure that the directory used is valid.

**Module:**  
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJ2LS, DFHLSJ3S

**Destination**
SYSPRINT

**DFHPI9660 I**  
WS-Policy file file has been processed.

**Explanation**
A WS-Policy file from the WSPOLICY-DIRECTORY has been processed by DFHLS2WS.

**System action**
The Web services assistant continues processing.

**User response**
Ensure that the directory used is valid.

**Module:**  
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJ2LS, DFHLSJ3S

**Destination**
SYSPRINT

**DFHPI9662 E**  
An exception was thrown whilst processing WS-Policy file file. The exception message is: exception.

**Explanation**
A problem occurred during the processing of a CICS WS-Policy @QKC file. The nature of the problem is indicated in the exception.

**System action**
The Web services assistant continues processing.

**User response**
Consider the message from the exception. It probably indicates a problem within the WS-Policy file that requires correction.

**Module:**  
DFHLS2WS

**Destination**
SYSPRINT

**DFHPI9663 E**  
Operation Operation specified a SOAP MEP of specified_MEP. The only SOAP MEP supported is supported_MEP.

**Explanation**
A WSDL 2.0 document contained an Operation that specified a SOAP Message Exchange Pattern (MEP) that is not supported.

**System action**
The Web services assistant continues processing.
User response
Consider changing the WSDL document to use a supported SOAP Message Exchange Pattern.

Module:
DFHWS2LS

Destination
SYSPRINT

DFHPI9664 E  The value specified for parameter parameter is invalid. Valid values are: values.

Explanation
A value has been specified for one of the parameters of the Web services or XML assistants that is invalid.

System action
The Web Services or XML assistant continues processing.

User response
Correct the parameter value passed to the CICS Web Services or XML assistant before retrying. More information on the permissible values for this parameter can be found in the CICS Web Services or XML assistant's log file and the CICS Web Services manual.

Module:
DFHWS2LS, DFHLS2WS, DFHSC2LS, DFHLS2SC, DFHJS2LS, DFHLS2JS

Destination
SYSPRINT

DFHPI9665 E  The WSDL Binding for operation Operation specifies an invalid message. MessageFound was found, but MessageExpected was expected.

Explanation
A WSDL document contained a Binding for an Operation. There is a mismatch between the Messages specified in the BindingOperation and the Messages specified in the Operation. The WSDL document is invalid.

System action
The Web services assistant continues processing.

User response
Consider changing the WSDL document or XML schema to avoid this problem. For example, you could change the problematic XML construct for a different one that is supported. For example, the xsd:any construct is supported by both DFHWS2LS and DFHSC2LS and can be used as a replacement for most other constructs at mapping level 2.1 onwards. A change of this type can usually be made without breaking interoperability with partner processes that are implemented using the original XML schema or WSDL document. If changing or simplifying the XML schema or WSDL is not acceptable then other options exist:

• If you are using DFHWS2LS, then at runtime level 2.1 onwards you can use the XML-ONLY parameter to opt-out of the CICS supplied XML transformation service. This results in a WSBind file being generated that tells CICS that the application will work directly with the SOAP Body in the DFHWS-BODY container.
- If you are implementing a Web service provider application then you could consider writing your own XML capable SOAP application handler.

- If you are implementing a Web service requester application then you could consider writing an XML capable application that uses the DFHPIRT channel linkable SOAP interface.

Other products may exist that can help process or omit the problematic XML constructs. For example, IBM's Rational Developer for System Z (RDz) product supports a "meet-in-middle" mapping scenario that allows omitting of specific XML constructs.

**Module:**
DFHWS2LS, DFHSC2LS, DFHJS2LS

**Explanation**

**DFHPI9667 E**

The supplied WSDL contains an 'any' or 'anyType' element. This is only supported when 'PGMINT' is set to 'CHANNEL'.

**System action**

The Web services assistant continues processing.

**User response**

Change the value of the PGMINT parameter to specify a value of CHANNEL.

**Module:**
DFHWS2LS

**Destination**

SYSPRINT

**DFHPI9668 E**

Invalid value specified for the XML-ONLY parameter. Valid values are: TRUE or FALSE.

**Explanation**

An invalid value has been specified for the XML-ONLY parameter.

**System action**

The XML assistant continues processing.

**User response**

Supply a new input document that contains either Elements or types.

**Module:**
DFHSC2LS
Destination
SYSPRINT
DFHPI9671 E Mismatch between WS-Addressing Action and SOAP Action for operation operation.

Explanation
The WS-Addressing Action supplied on the named operation does not match the value of the SOAP Action element.

System action
The Web Services assistant continues processing.

User response
Correct the mismatch between the operations WS-Addressing Action and the SOAP Action, or remove the SOAP Action.

Module:
DFHWS2LS

Destination
SYSPRINT
DFHPI9672 E Mismatch between WS-Addressing Endpoint Reference address and port address.

Explanation
The WS-Addressing Endpoint Reference address does not match the port address.

System action
The Web Services assistant continues processing.

User response
Correct the mismatch between the WS-Addressing Endpoint Reference address and the endpoint address.

Module:
DFHWS2LS

Destination
SYSPRINT
DFHPI9673 E Mismatch between WS-Addressing Endpoint Reference address and endpoint address.

Explanation
The WS-Addressing Endpoint Reference address does not match the endpoint address.

System action
The Web Services assistant continues processing.

User response
Correct the mismatch between the WS-Addressing Endpoint Reference address and the endpoint address.

Module:
DFHWS2LS

Destination
SYSPRINT
DFHPI9674 E Non-Abstract global XML Type type not found.

Explanation
The named global type cannot be found in the input WSDL or XML schema document. DFHSC2LS is expecting to find an xsd:simpleType or an xsd:complexType named type. This XML type must not be defined as abstract.

System action
The XML assistant continues processing.

User response
Correct the value of the TYPES input parameter.

Module:
DFHSC2LS

Destination
SYSPRINT
DFHPI9675 E Multiple WS-Addressing Endpoint References exist.

Explanation
Multiple WS-Addressing Endpoint References have been detected in the selected services binding where only one is allowed.

System action
The Web Services assistant continues processing.
Remove extraneous WS-Addressing Endpoint References from the services endpoint or port.

Module: DFHWS2LS

The input data contains constructs that are only supported when 'PGMINT' is set to 'CHANNEL'.

Explanation
DFHWS2LS has processed an XML schema that includes a construct that results in CICS containers being used. This in turn requires the use of PGMINT=CHANNEL.

System action
The Web services assistant continues processing.

User response
Change the value of the PGMINT parameter to specify a value of CHANNEL.

Module: DFHWS2LS

Invalid WS-Addressing Endpoint Reference element, 'address' element not found.

Explanation
The WS-Addressing Endpoint Reference in the service binding does not contain the mandatory 'address' element.

System action
The Web Services assistant stops processing.

User response
Correct the format of the WS-Addressing Endpoint Reference.

Module: DFHWS2LS

The MINIMUM-RUNTIME-LEVEL is less than 3.0, the WS-Addressing content in the WSDL is ignored.

Explanation
The WSDL contains WS-Addressing elements, but the MINIMUM-RUNTIME-LEVEL is less than 3.0. Runtime level 3.0 or greater is required to process WS-Addressing extensions. The generated WSBind file will not contain the WS-Addressing information.

System action
The Web Services assistant continues processing.

User response
If WS-Addressing information is required then set the MINIMUM-RUNTIME-LEVEL to 3.0.

Module: DFHWS2LS
Explanation
An invalid value has been supplied for the WSADDR-EPR-ANY parameter. Valid values are TRUE or FALSE.
A value of TRUE causes any WS-Addressing Endpoint References to be treated as an xsd:Any type. A value of FALSE causes any Endpoint References to be broken down into language structure elements.

System action
The Web services assistant stops processing.

User response
Correct the value of the WSADDR-EPR-ANY parameter.

Module:
DFHWS2LS

Destination
SYSPRINT

Explanation
A channel description document has been processed which includes a container name that begins 'DFH'. This prefix is reserved for use by CICS and may result in unpredictable problems if used in an application.

System action
The Web services or XML assistant continues processing. The unsupported content is ignored.

User response
Consider whether it is appropriate for a 'DFH' container to be exposed as part of your application interface.

Module:
DFHLS2WS, DFHLS2SC

Destination
SYSPRINT

Explanation
A bundle directory is being created on top of a directory that already exists in the file system. If this directory contains any files then they will still exist within the output bundle. The manifest file for the bundle will not reference these files.

System action
The Web services or XML assistant continues processing. The unsupported content is ignored.

User response
Consider removing any unwanted files from the bundle directory.

Module:
DFHLS2SC, DFHSC2LS

Destination
SYSPRINT

Explanation
An XSDBind file is being added to a Bundle. The name of the XSDBind file is specified in the XSDBIND input parameter, a path has also been specified for the XSDBind file.

If the XML assistant is used without specifying a value for BUNDLE then the file is stored in the path specified. If a value is specified for BUNDLE then the XSDBind file is stored within that BUNDLE rather than in the named directory.

System action
The Web services or XML assistant continues processing.

User response
Consider removing the path from the value of the XSDBIND parameter.

Module:
DFHLS2SC, DFHSC2LS

**Destination**
SYSPRINT

**DFHPI9685 E**  A language structure cannot be parsed. Please ensure that the statement terminator characters are correct and that any brackets are matched.

**Explanation**
A problem has been found which results in looping within the DFHLS2WS. The problem is probably caused by mismatching brackets within a source file.

**System action**
The Web services assistant stops processing.

**User response**
Validate the language structure using the compiler. Fix any error messages that are reported.

**Module:**
DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT

**DFHPI9686 W**  Structure **structureName** is ignored for container **containerName** as the container is defined as type 'char'.

**Explanation**
A channel description document has been processed which includes a character based container with structured content. Structured content is only supported for bit mode containers.

**System action**
The Web Services assistant continues processing, but the language structure is ignored.

**User response**
Consider changing the container to be bit mode.

**Module:**
DFHLS2WS, DFHLS2JS

**Destination**
SYSPRINT

**DFHPI9687 W**  Unexpected text found in columns **start_column** to **end_column**. Text is ignored.

**Explanation**
A language structure has been parsed which contains unexpected data in columns that should not be used. This data is ignored.

**System action**
The Web services or XML assistant continues processing.

**User response**
Consider formatting the language structure so that it conforms to the normal rules for the associated programming language.

**Module:**
DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT

**DFHPI9688 E**  Unexpected End of Line condition encountered for line **line** of file **filename**.

**Explanation**
A line of input data from file **filename** has terminated unexpectedly. This might imply an error in the language structure.

**System action**
The Web Services assistant stops processing.

**User response**
Correct the input data.

One possible cause for this error is where a period character is used in a COBOL PICTURE clause. This is not currently supported and can cause subsequent processing to be incorrect. That in turn can result in this message being issued.

**Module:**
DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT
Explaination
The XML assistant has detected that a CICS bundle already exists at the location specified by the BUNDLE parameter. OVERWRITE-OUTPUT=NO was specified, or allowed to default. This prevents the new bundle from being created.

System action
The XML assistant terminates.

User response
If you want the bundle to be replaced then rerun the XML assistant with OVERWRITE-OUTPUT=YES specified. If the existing bundle is not to be replaced then rerun with a different location specified for the BUNDLE parameter.

Module:
DFHLS2SC, DFHSC2LS

Destination
SYSPRINT

DFHPI9690 E File 'filename' does not contain valid JSON. The problem is: 'exception'.

Explanation
The JSON schema assistant detected that the content of the file 'filename' is not valid JSON. The exception message 'exception' should identify the issue.

System action
The JSON schema assistant ends.

User response
Correct the file, or the change the filename in the relevant JSON_SCHEMA_xxx parameter.

Module:
DFHJS2LS

Destination
SYSPRINT

DFHPI9692 E Unsupported JSON schema. A JSON schema requires a "type" keyword with a single string value for object 'name'.

Explanation
The JSON schema assistant detected that JSON schema contains an unsupported feature. A JSON schema requires a "type" keyword with a single string value.

System action
The JSON schema assistant ends.

User response
Correct the file. Ensure each JSON subschema contains a "type" keyword with a single supported JSON "type".

Module:
DFHJS2LS

Destination
SYSPRINT

DFHPI9693 E Invalid JSON schema. It contains an undefined JSON schema "type" of 'typevalue'.

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Explanation
The JSON schema assistant detected an invalid JSON schema. The JSON schema "type" of typevalue is undefined. Expected values are: "object", "array", "string", "boolean", "integer" and "number".

System action
The JSON schema assistant ends.

User response
Correct the file. Replace the JSON schema "type" of typevalue with a valid one.

Module:
DFHJS2LS

Destination
SYSPRINT

DFHPI9694 E Unsupported JSON schema. JSON schema "type" of 'typevalue' is not supported.

Explanation
The JSON schema assistant detected that JSON schema contains an unsupported feature. JSON schema "type" of typevalue is not supported.

System action
The JSON schema assistant ends.

User response
Correct the file. Replace the JSON schema "type" of typevalue with a supported one.

Module:
DFHJS2LS

Destination
SYSPRINT

DFHPI9695 E Invalid JSON schema. The value of "properties" keyword must be an object.

Explanation
The JSON schema assistant detected an invalid JSON schema. The value of "properties" keyword must be an object. Each value of this object must be an object, and each object must be a valid JSON schema.

System action
The JSON schema assistant ends.

User response
Correct the file. Ensure that the value of all "properties" keywords are correct.

Module:
DFHJS2LS

Destination
SYSPRINT

DFHPI9696 E Invalid JSON schema. A JSON schema "type" of "object" without a "properties" keyword is not supported.

Explanation
The JSON schema assistant detected that JSON schema contains an unsupported feature. A JSON schema "type" of "object" is only supported along with a "properties" keyword.

System action
The JSON schema assistant ends.

User response
Correct the file. Add a valid "properties" keyword to the JSON subschema for the "object".

Module:
DFHJS2LS

Destination
SYSPRINT

DFHPI9697 E Invalid JSON schema. The value of "required" keyword must be an array.

Explanation
The JSON schema assistant detected an invalid JSON schema. The value of "required" keyword must be an array. This array must have at least one element. Elements of this array must be strings, and must be unique.

System action
The JSON schema assistant ends.
User response
Correct the file. Ensure that the value of all "required" keywords are correct.

Module:
DFHJS2LS

Destination
SYSPRINT

DFHPI9698 E Unsupported JSON schema. A JSON schema "type" of "array" without an "items" keyword is not supported for array "arrayName".

Explanation
The JSON schema assistant detected that the JSON schema contains an unsupported feature. A JSON schema with a "type" of "array", but without an "items" keyword containing a single JSON subschema is not supported.

System action
The JSON schema assistant ends.

User response
Correct the file. Add a valid "items" keyword to the JSON subschema for the "array".

Module:
DFHJS2LS

Destination
SYSPRINT

DFHPI9699 E PICTURE strings are not supported for COMP-1 and COMP-2 fields. Problem found for field "fieldName".

Explanation
A COBOL field was detected that is either of type COMPUTATIONAL-1 or COMPUTATIONAL-2 and includes a PICTURE string. This combination is not supported.

System action
The Assistant ends.

User response
Correct the COBOL field.

Module:
DFHJS2LS

Destination
SYSPRINT

DFHPI9700 E Unsupported JSON schema. A JSON schema "type" of "object" with an "additionalProperties" keyword is only supported with value false.

Explanation
The JSON schema assistant detected that JSON schema contains an unsupported feature. A JSON schema "type" of "object" only supports the keyword "additionalProperties" with a value of false.

System action
The JSON schema assistant ends.

User response
Correct the file. Change the "additionalProperties" keyword to a value of false.

Module:
DFHJS2LS

Destination
SYSPRINT

DFHPI9701 E Unsupported JSON schema. The JSON schema keyword 'keyword' is not supported.

Explanation
The JSON schema assistant detected that JSON schema contains an unsupported keyword. The JSON schema keyword :mv.keyword:emv. is not supported.

System action
The JSON schema assistant ends.

User response
Correct the file. remove the :mv.keyword:emv. keyword.

Module:
DFHJS2LS
Unsupported JSON schema.
A JSON schema "type" of "array" with an "additionalItems" keyword is only supported with value false.

Explanation
The JSON schema assistant detected that JSON schema contains an unsupported feature. A JSON schema "type" of "array" only supports the keyword "additionalItems" with a value of false.

System action
The JSON schema assistant ends.

User response
Correct the file. Change the "additionalItems" keyword to a value of false.

Module:
DFHJS2LS

Destination
SYSPRINT

Invalid JSON schema. The JSON schema keyword 'keyword' requires the keyword 'required' to be present.

Explanation
The JSON schema assistant detected that JSON schema contains the keyword :mv.keyword:emv., but is missing the required keyword :mv.required:emv..

System action
The JSON schema assistant ends.

User response
Correct the file. Either remove the :mv.keyword:emv. keyword, or add the required keyword :mv.required:emv..

Module:
DFHJS2LS

Destination
SYSPRINT

Invalid JSON schema. The JSON schema keyword "required" includes elements 'missing' that are not in the "properties" keyword.

Explanation
The JSON schema assistant detected that JSON schema contains elements in the "required" keyword that are missing from the "properties".

System action
The JSON schema assistant ends.

User response
Correct the file. Either remove the :mv.missing:emv. elements from the "required" keyword, or add them to the "properties" keyword.

Module:
DFHJS2LS

Destination
SYSPRINT
Invalid JSON schema. The JSON schema keyword 'keyword' for an array has a bad value.

Explanation
The JSON schema assistant detected that JSON schema contains a bad value for keyword :mv.keyword:emv.. To limit the size of arrays the value of keyword "maxItems", if present, must be strictly greater than 0. If absent it implies the array is unbounded. The value of keyword "minItems", if present, must be greater than or equal to 0 and less then or equal to the value of "maxItems". If absent it implies the array is optional and can have no elements.

System action
The JSON schema assistant ends.

User response
Correct, or remove the value of the :mv.keyword:emv. keyword or the related keyword to ensure that the values are valid.

Module:
DFHJS2LS

Destination
SYSPRINT

Invalid JSON schema. The JSON schema keywords "maximum" or "minimum" for an integer have a bad value.

Explanation
The JSON schema assistant detected that JSON schema contains an unrecognized value of :mv.format:emv. for the "format" keyword while processing an element with "type" of :mv.type:emv..

System action
The JSON schema assistant continues and ignores the keyword.

User response
If the :mv.keyword:emv. keyword is not expected to be handled by the assistant then this message can be ignored. Otherwise, check that the keyword is spelled correctly with the correct capitalization.

Module:
DFHJS2LS

Destination
SYSPRINT

Invalid JSON schema. The JSON schema keywords "maxLength" or "minLength" for a string have a bad value.

Explanation
The JSON schema assistant detected that JSON schema contains a bad value for either the "maximum" or "minimum" keywords. To limit the length of strings, the value of the "minimum" keyword, if present, must be greater than or equal to 9223372036854775807 and the value of keyword "maximum" must be less than or equal to -9223372036854775808. If the value of the "minimum" keyword is positive, the value of keyword "maximum" must be less than or equal to 18446744073709551615. When both "maximum" and "minimum" keywords are present, then the value of "maximum" keyword, must be greater than or equal to the value of "minimum" keyword.

System action
The JSON schema assistant ends.
greater than or equal to the value of "minLength" keyword.

**System action**
The JSON schema assistant ends.

**User response**
Correct, or remove the value of the :mv.keyword:emv. keyword or the related keyword to ensure that the values are valid.

**Module:**
DFHJS2LS

**Destination**
SYSPRINT

**Explanation**
The JSON schema assistant detected that JSON schema contains keywords :mv.keywords:emv. which are incompatible with JSON schema "format" 'format'.

**System action**
The JSON schema assistant ends.

**User response**
Remove the keywords :mv.keywords:emv..

**Module:**
DFHJS2LS

**Destination**
SYSPRINT

**Explanation**
The JSON schema assistant found an element with a "type" of "number" and "format" of "decimal" with "maximum" and "minimum" value that cannot be expressed to the same number of decimal digits and only use a total of 18 digits.

**System action**
The JSON schema assistant reduced the number of decimal digits to keep to the maximum total of 18 digits.

**User response**
Check that the "maximum" and "minimum" values used for "decimal" format number types are written to the same precision.

**Module:**
DFHJS2LS

**Destination**
SYSPRINT

**Explanation**
The JSON schema assistant found a number :mv.number:emv. where it expects the JSON schema to have an integer. It rounded that value to the integer :mv.integer:emv..

**System action**
The JSON schema assistant continues.

**User response**
Check that the value :mv.integer:emv. is the same as the original value used in the JSON schema. If this is not the same and the original absolute value is very large then try wrapping the number in double-quote characters.

**Module:**
DFHJS2LS

**Destination**
SYSPRINT

**Explanation**
The JSON schema assistant found an element with a "type" of "number" with "decimal" format, display is limited to 18 digits.

**System action**
The JSON schema assistant reduced the number of decimal digits to keep to the maximum total of 18 digits.

**User response**
Check that the "maximum" and "minimum" values used for "decimal" format number types are written to the same precision.

**Module:**
DFHJS2LS

**Destination**
SYSPRINT

**Explanation**
The JSON schema assistant found an element with a "type" of "number" with "decimal" with "maximum" or "minimum" value that cannot be
expressed in 18 digits. This is a limitation on the absolute size of decimal numbers.

**System action**
The JSON schema assistant ends.

**User response**
Check that the "maximum" and "minimum" values used for "decimal" format number types are less than 1.0E19, that is no more than 18 digits.

**Module:**
DFHJS2LS

**Destination**
SYSPRINT

**DFHPI9714 E**  JSON schema element 'element' defines a multi-dimensional array, this requires at least mapping level 4.3 to be enabled.

**Explanation**
The JSON schema assistant detected that element :mv.element:emv. with a 'type' of 'array' is defined with a subschema with a 'type' of 'array'. This is not supported at mapping levels lower than 4.3.

**System action**
The JSON schema assistant ends.

**User response**
Consider specifying MAPPING-LEVEL=4.3.

**Module:**
DFHJS2LS

**Destination**
SYSPRINT

**DFHPI9716 E**  Field 'name' not found for array 'array'.

**Explanation**
The target field for an OCCURS DEPENDING ON clause in a COBOL language structure cannot be found.

**System action**
The Assistant ends.

**User response**
Correct the language structure.

**Module:**
DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT

**DFHPI9717 E**  Unsupported content found after OCCURS DEPENDING ON field 'name'.

**Explanation**
The CICS Assistants only support non-complex OCCURS DEPENDING ON clauses. This restrictions means that OCCURS DEPENDING ON fields must not appear within an array, and must not be followed by further fields.

**System action**
The Assistant ends.

**User response**
Simplify the COBOL language structure to remove the complex OCCURS DEPENDING ON clauses.

**Module:**
DFHLS2WS, DFHLS2SC, DFHLS2JS

**Destination**
SYSPRINT
Use of OCCURS DEPENDING ON requires use of DATA-TRUNCATION=ENABLED.

Explanation
Use of OCCURS DEPENDING ON fields in COBOL requires the DATA-TRUNCATION parameter to be set to ENABLED.

System action
The Assistant ends.

User response
Specify DATA-TRUNCATION=ENABLED and rerun the Assistants.

Module:
DFHLS2WS, DFHLS2SC, DFHLS2JS

Destination
SYSPRINT

Unsupported content found after group item 'name' with OCCURS DEPENDING ON clause.

Explanation
The CICS Assistants only support non-complex OCCURS DEPENDING ON clauses. This restriction means that a structure with an OCCURS DEPENDING ON clause must not appear within an array, and must not be followed by further fields.

System action
The Assistant ends.

User response
Simplify the COBOL language structure to remove the complex OCCURS DEPENDING ON clauses.

Module:
DFHLS2WS, DFHLS2SC, DFHLS2JS

Destination
SYSPRINT

Unsupported keyword "UNBOUNDED" found in an OCCURS clause.

Explanation
The value of the CHAR-MULTIPLIER parameter must be either 2 or 4 if CCSID=1200 (UTF-16BE) is specified.

System action
The parameter CHAR-MULTIPLIER=value is not supported in combination with CCSID=1200.

User response
To use UTF-16 strings with DFHLS2JS, DFHLS2SC, or DFHLS2WS, set CCSID to an EBCDIC code page, and use appropriate field definitions in the language structure.

Module:
DFHLS2WS, DFHLS2SC, DFHLS2JS

Destination
SYSPRINT
System action
The assistant ends.

User response
Correct the value of the CHAR-MULTIPLIER parameter and run the assistant again.
Module:
DFHJS2LS, DFHSC2LS, DFHWS2LS

Destination
SYSPRINT
DFHPI9723 E UTF-16 is not supported when parameter LANG=PLI-OTHER is used.

Explanation
CCSID=1200 is specified. However, UTF-16 is not supported when parameter LANG=PLI-OTHER used.

System action
The assistant ends.

User response
Correct the value of either the LANG parameter or the CCSID parameter and run the assistant again.
Module:
DFHJS2LS, DFHSC2LS, DFHWS2LS

Destination
SYSPRINT
DFHPI9724 E Type \"type\" requires a minimum mapping level of \"required-mapping-level\", but mapping level \"actual-mapping-level\" was specified.

Explanation
A data type was used in a language structure that is not supported with the specified mapping level.

System action
The assistant ends.

User response
Either increase the mapping level, or remove the unsupported data type.

Module:
DFHLS2JS, DFHLS2SC, DFHLS2WS

Destination
SYSPRINT
DFHPI9725 W A CICS abstime data type has been used. This data type can experience time-zone related data conversion errors.

Explanation
A CICS abstime data type has been used. This data type can be problematic as the time zone and daylight savings characteristics of the CICS region need to be considered during data conversion. If data conversion occurs in an environment with a different time zone configuration, data values might be corrupted. For example, if data conversion takes place in a CICS JVMSERVER, the JVM must be configured to use the same time zone as CICS.

System action
The assistant continues processing.

User response
Consider specifying DATETIME=UNUSED (for DFHLS2JS) or DATETIME=STRING (for DFHJS2LS).
Module:
DFHLS2JS, DFHJS2LS

Destination
SYSPRINT
DFHPI9726 E Minimum bound \"minimum\" is greater than maximum bound \"maximum\".

Explanation
A COBOL language structure has been processed which contains an invalid TO field in which the minimum bound is greater than the maximum bound.

System action
The assistant continues processing.

User response
Correct the problem with the COBOL language structure.
Module:
Explanation
A JSON pointer was encountered that could not be resolved.

System action
The assistant ends.

User response
Correct the unresolved pointer.

Module:
DFHJS2LS

Destination
SYSPRINT

DFHPI9730 E Use of CICS Containers has been prohibited, therefore the input Schema cannot be processed using the selected input parameters.

Explanation
The processing of a JSON Schema has resulted in the need to use CICS Containers within the generated language structures. This has been expressly prohibited by the user agent.

System action
The assistant ends.

User response
It might be possible to avoid the use of Containers either by modifying the JSON Schemas that are being processed, or by using other input parameters to customize the processing. Consider using the DEFAULT-ARRAY-MAXITEMS and INLINE-MAXOCCURS-LIMIT parameters to avoid Containers being used for JSON arrays. Consider using the DEFAULT-CHAR-MAXLENGTH and CHAR-VARYING-LIMIT parameters to avoid Containers being used for long data values.

Module:
DFHJS2LS

Destination
SYSPRINT

DFHPI9731 E Empty enum lists are not supported for object "name".

Explanation
Empty enum lists are not supported for object "name".
**Explanation**

The JSON Schema contains an enumeration with no valid members. This constraint cannot be supported.

**User response**

Review the JSON Schema and correct the problematic enumeration.

**Module:** DFHJS2LS

**Destination**

SYSPRINT

**DFHPI9732 E**  Unsupported enum content type of `"type"` for object `"name"`.

**Explanation**

The JSON Schema contains an enumeration with an unsupported type of content such as a JSON Object or JSON Array.

**System action**

The assistant ends.

**User response**

Review the JSON Schema and consider changing the content of the problematic enumeration.

**Module:** DFHJS2LS

**Destination**

SYSPRINT

**DFHPI9734 E**  Unexpected problem processing enum for object `"name"`: `"exception"`.

**Explanation**

An unexpected problem was experienced while processing an enumeration in the JSON Schema.

**System action**

The assistant ends.

**User response**

Consider contacting IBM support for further assistance.

**Module:** DFHJS2LS

**Destination**

SYSPRINT

**DFHPI9735 E**  Mismatching values found for key `"key"` within `"object"`, values `"value1"` and `"value2"` are not compatible.

**Explanation**

Two conflicting values have been found for the same attribute of a JSON Object, DFHJS2LS does not support both values being set.

**System action**

The assistant ends.

**User response**

Consider simplifying the JSON Schema to avoid the problematic values.

**Module:** DFHJS2LS
Destination
SYSPRINT

DFHPI9736 E Unexpected problem processing properties for object "object": "exception".

Explanation
An Exception was caught while processing a JSON Object.

System action
The assistant ends.

User response
Consider contacting IBM support for further assistance.

Module:
DFHJS2LS

Destination
SYSPRINT

DFHPI9737 W Multiple property sets have been found for object "child" within object "parent". Merging may result in an imperfect mapping.

Explanation
A complex definition has been encountered for a JSON Object. DFHJS2LS will attempt to merge the associated Schema characteristics into a compound form.

System action
The assistant continues processing.

User response
Consider simplifying the JSON Schema to avoid the problematic values.

Module:
DFHJS2LS

Destination
SYSPRINT

DFHPI9739 E Using a level increment of "levelInc" gives an invalid COBOL level-number of "levelNumber".

Explanation
When creating a COBOL data structure a field was detected that has a general purpose level-number greater than the limit of 49 allowed by COBOL.

System action
The assistant ends.

User response
If the level increment is greater than 1 use the SERVICE="LEVELINC=n" parameter to reduce it to the value specified as n and re-run the assistant.

Module:
DFHJS2LS, DFHSC2LS, DFHW2LS

Destination
SYSPRINT

DFHPI9738 W Multiple values have been found for keyword "key" within object "object". Merging may result in an imperfect mapping.

Explanation
A complex definition has been encountered for a JSON Object. DFHJS2LS will attempt to merge the associated Schema characteristics into a compound form.

System action
The assistant continues processing.

User response
Consider simplifying the JSON Schema to avoid the problematic values.

Module:
DFHJS2LS

Destination
SYSPRINT

DFHPI9740 E Unsupported JSON schema. A recursive JSON pointer "pointer" was found. The sequence of references followed was "refname1, refname2, and so on".
Explanation
A JSON pointer was encountered within a schema that would result in a recursive structure. Recursive pointers are not supported.

System action
The assistant ends.

User response
Remove the unsupported pointer.

Module: DFHJS2LS

Destination
SYSPRINT

DFHPI9741 E  The assistant attempted to process \"element\" array structure which was greater than \"size\" bytes.

Explanation
The assistant attempted to process an element that would have caused a structure to be larger than the allowed size. Such structures are unsupported.

System action
The assistant ends.

User response
Review the input for large reoccurring arrays. The use of INLINE-MAXOCCURS-LIMIT could be used to limit the size of the structure.

Module: DFHJS2LS, DFHSC2LS, DFHWS2LS

Destination
SYSPRINT

DFHPI9741 E  The assistant attempted to process \"element\" array structure which was greater than \"size\" bytes.

Explanation
The assistant attempted to process an element that would have caused a structure to be larger than the allowed size. Such structures are unsupported.

System action
The assistant ends.

User response
Review the input for large reoccurring arrays. The use of INLINE-MAXOCCURS-LIMIT could be used to limit the size of the structure.

Module: DFHJS2LS, DFHSC2LS, DFHWS2LS

Destination
SYSPRINT

DFHPI9741 E  The assistant attempted to process \"element\" array structure which was greater than \"size\" bytes.

Explanation
The assistant attempted to process an element that would have caused a structure to be larger than the allowed size. Such structures are unsupported.

System action
The assistant ends.

User response
Review the input for large reoccurring arrays. The use of INLINE-MAXOCCURS-LIMIT could be used to limit the size of the structure.

Module: DFHJS2LS, DFHSC2LS, DFHWS2LS

Destination
SYSPRINT

DFHPI9741 E  The assistant attempted to process \"element\" array structure which was greater than \"size\" bytes.

Explanation
The assistant attempted to process an element that would have caused a structure to be larger than the allowed size. Such structures are unsupported.

System action
The assistant ends.

User response
Review the input for large reoccurring arrays. The use of INLINE-MAXOCCURS-LIMIT could be used to limit the size of the structure.

Module: DFHJS2LS, DFHSC2LS, DFHWS2LS

Destination
SYSPRINT

DFHPI9741 E  The assistant attempted to process \"element\" array structure which was greater than \"size\" bytes.

Explanation
The assistant attempted to process an element that would have caused a structure to be larger than the allowed size. Such structures are unsupported.

System action
The assistant ends.

User response
Review the input for large reoccurring arrays. The use of INLINE-MAXOCCURS-LIMIT could be used to limit the size of the structure.

Module: DFHJS2LS, DFHSC2LS, DFHWS2LS

Destination
SYSPRINT

DFHPI9741 E  The assistant attempted to process \"element\" array structure which was greater than \"size\" bytes.

Explanation
The assistant attempted to process an element that would have caused a structure to be larger than the allowed size. Such structures are unsupported.

System action
The assistant ends.

User response
Review the input for large reoccurring arrays. The use of INLINE-MAXOCCURS-LIMIT could be used to limit the size of the structure.

Module: DFHJS2LS, DFHSC2LS, DFHWS2LS

Destination
SYSPRINT

DFHPI9741 E  The assistant attempted to process \"element\" array structure which was greater than \"size\" bytes.

Explanation
The assistant attempted to process an element that would have caused a structure to be larger than the allowed size. Such structures are unsupported.

System action
The assistant ends.

User response
Review the input for large reoccurring arrays. The use of INLINE-MAXOCCURS-LIMIT could be used to limit the size of the structure.

Module: DFHJS2LS, DFHSC2LS, DFHWS2LS

Destination
SYSPRINT

DFHPI9741 E  The assistant attempted to process \"element\" array structure which was greater than \"size\" bytes.

Explanation
The assistant attempted to process an element that would have caused a structure to be larger than the allowed size. Such structures are unsupported.

System action
The assistant ends.

User response
Review the input for large reoccurring arrays. The use of INLINE-MAXOCCURS-LIMIT could be used to limit the size of the structure.

Module: DFHJS2LS, DFHSC2LS, DFHWS2LS

Destination
SYSPRINT

DFHPI9741 E  The assistant attempted to process \"element\" array structure which was greater than \"size\" bytes.

Explanation
The assistant attempted to process an element that would have caused a structure to be larger than the allowed size. Such structures are unsupported.

System action
The assistant ends.

User response
Review the input for large reoccurring arrays. The use of INLINE-MAXOCCURS-LIMIT could be used to limit the size of the structure.

Module: DFHJS2LS, DFHSC2LS, DFHWS2LS

Destination
SYSPRINT

DFHPI9741 E  The assistant attempted to process \"element\" array structure which was greater than \"size\" bytes.

Explanation
The assistant attempted to process an element that would have caused a structure to be larger than the allowed size. Such structures are unsupported.

System action
The assistant ends.

User response
Review the input for large reoccurring arrays. The use of INLINE-MAXOCCURS-LIMIT could be used to limit the size of the structure.

Module: DFHJS2LS, DFHSC2LS, DFHWS2LS

Destination
SYSPRINT

DFHPI9741 E  The assistant attempted to process \"element\" array structure which was greater than \"size\" bytes.

Explanation
The assistant attempted to process an element that would have caused a structure to be larger than the allowed size. Such structures are unsupported.

System action
The assistant ends.

User response
Review the input for large reoccurring arrays. The use of INLINE-MAXOCCURS-LIMIT could be used to limit the size of the structure.

Module: DFHJS2LS, DFHSC2LS, DFHWS2LS

Destination
SYSPRINT

DFHPI9741 E  The assistant attempted to process \"element\" array structure which was greater than \"size\" bytes.

Explanation
The assistant attempted to process an element that would have caused a structure to be larger than the allowed size. Such structures are unsupported.

System action
The assistant ends.

User response
Review the input for large reoccurring arrays. The use of INLINE-MAXOCCURS-LIMIT could be used to limit the size of the structure.

Module: DFHJS2LS, DFHSC2LS, DFHWS2LS

Destination
SYSPRINT

DFHPI9741 E  The assistant attempted to process \"element\" array structure which was greater than \"size\" bytes.

Explanation
The assistant attempted to process an element that would have caused a structure to be larger than the allowed size. Such structures are unsupported.

System action
The assistant ends.

User response
Review the input for large reoccurring arrays. The use of INLINE-MAXOCCURS-LIMIT could be used to limit the size of the structure.

Module: DFHJS2LS, DFHSC2LS, DFHWS2LS

Destination
SYSPRINT

DFHPI9741 E  The assistant attempted to process \"element\" array structure which was greater than \"size\" bytes.

Explanation
The assistant attempted to process an element that would have caused a structure to be larger than the allowed size. Such structures are unsupported.

System action
The assistant ends.

User response
Review the input for large reoccurring arrays. The use of INLINE-MAXOCCURS-LIMIT could be used to limit the size of the structure.

Module: DFHJS2LS, DFHSC2LS, DFHWS2LS

Destination
SYSPRINT

DFHPI9741 E  The assistant attempted to process \"element\" array structure which was greater than \"size\" bytes.

Explanation
The assistant attempted to process an element that would have caused a structure to be larger than the allowed size. Such structures are unsupported.

System action
The assistant ends.

User response
Review the input for large reoccurring arrays. The use of INLINE-MAXOCCURS-LIMIT could be used to limit the size of the structure.

Module: DFHJS2LS, DFHSC2LS, DFHWS2LS

Destination
SYSPRINT

DFHPI9741 E  The assistant attempted to process \"element\" array structure which was greater than \"size\" bytes.

Explanation
The assistant attempted to process an element that would have caused a structure to be larger than the allowed size. Such structures are unsupported.

User response
Contact IBM support.

Module: DFHWS2LS, DFHLS2WS

Destination
SYSPRINT

DFHPI9801 E  A document with a matching name, namespace and version already exists within the registry. The publish step was not run.

Explanation
When attempting to publish the generated WSDL document another WSDL document with the same name, namespace, and version has been found.

System action
The WSDL document is not published to WSRR.

User response
Run the tooling using a different WSRR-VERSION parameter value or if the WSDL document stored in WSRR is incorrect remove it and run the tooling again.

Module: DFHLS2WS

Destination
SYSPRINT

DFHPI9802 E  The setting of the registry endpoint was not successful.

Explanation
The setting of the endpoint was not successful.

System action
The interaction with WSRR was not performed. No processing occurred for DFHWS2LS. The Web service binding file and generated WSDL document are present on the file system.

User response
Check that the WSRR-SERVER parameter value is set to the correct host and port.

Module: DFHWS2LS, DFHLS2WS
Explanation
More than 250 custom properties were specified on the tooling input. A maximum of 250 properties are supported.

System action
Publishing continues using the first 250 custom properties.

User response
Reduce the number of custom properties specified on the tooling input.

Module: DFHLS2WS

Destination
SYSPRINT

DFHPI9804 E When retrieving a document from a registry a fault was returned with message faultMessage.

Explanation
A SOAP fault was returned by WSRR.

System action
The interaction with WSRR was not performed. No processing occurred for DFHWS2LS.

User response
Check that the WSRR-SERVER parameter value is set to the correct host and port. Review the message returned in the SOAP fault.

Module: DFHLS2WS

Destination
SYSPRINT

DFHPI9805 E An attempt to retrieve a document from a registry failed with reason failReason.

Explanation
The generated WSDL document could not be read.

System action
The WSDL document is not published to WSRR.

User response
Check that the WSRR-SERVER parameter value is set to the correct host and port. Review the message returned in the SOAP fault.

Module: DFHLS2WS

Destination
SYSPRINT

DFHPI9807 E The WSDL file can not be read in the ccsid specified.

Explanation
The generated WSDL document could not be read.

System action
The WSDL document is not published to WSRR.
User response
Set the CCSID parameter value to a CCSID that is supported.

Module:
DFHLS2WS

Destination
SYSPRINT

DFHIP9808 E The WSDL file could not be used due to an IOException.

Explanation
The generated WSDL document could not be read.

System action
The WSDL document is not published to WSRR.

User response
Ensure that the permissions are correct for the directory that the generated WSDL is written to.

Module:
DFHLS2WS

Destination
SYSPRINT

DFHIP9809 E When querying a registry a fault was returned with message faultMessage.

Explanation
A SOAP fault was returned by WSRR.

System action
The interaction with WSRR was not performed. No processing occurred for DFHWS2LS. For DFHLS2WS the Web service binding file and generated WSDL document are present on the file system.

User response
Check that the WSRR-SERVER has been set to the correct host and port. Review the message returned in the SOAP fault.

Module:
DFHWS2LS, DFHLS2WS

Destination
SYSPRINT

DFHIP9811 I The document docName has been found in the registry with unique identifier docURI.

Explanation
The named document was found in the registry.

System action
Processing continues as normal.

User response
None

Module:
DFHWS2LS, DFHLS2WS

Destination
SYSPRINT
Multiple documents matching the query have been found. The first will be used.

**Explanation**

Multiple documents that matched the name, namespace, and version were found when querying the registry. The first document is used.

**System action**

Processing continues using the first document returned by WSRR.

**User response**

Check that the correct WSDL document has been used to create the language structures. If the WSDL document used is incorrect use the WSRR-NAMESPACE and WSRR-VERSION parameters to reduce the number of WSDL documents found when querying the registry.

**Module:** DFHWS2LS

**Destination**

SYSPRINT

A SOAP fault was returned by WSRR.

**Explanation**

A SOAP fault was returned by WSRR.

**System action**

The interaction with WSRR cannot be performed. The Web service binding file and generated WSDL document have been created.

**User response**

Check that the WSRR-SERVER parameter has been set to the correct host and port. Review the message returned in the SOAP fault.

**Module:** DFHLS2WS

**Destination**

SYSPRINT

A message is written to the log to indicate a Web service request is about to be sent.

**Explanation**

A message is written to the log to indicate a Web service request is about to be sent.

**System action**

Processing continues.

**User response**

None

**Module:** DFHLS2WS, DFHLS2WS

**Destination**

SYSPRINT

A message is written to the log to indicate a Web service request has successfully received a response.

**Explanation**

A message is written to the log to indicate a Web service request has successfully received a response.
System action
Processing continues.

User response
None

Module: DFHWS2LS, DFHLS2WS

Destination
SYSPRINT

DFHPI9817 I  The WSRR-SERVER location is wsrrserver.

Explanation
A message is written to the log to indicate what value the WSRR-SERVER parameter has been set to.

System action
Processing continues.

User response
None

Module: DFHWS2LS

Destination
SYSPRINT

DFHPI9818 I  Custom property set with name propertyname and value propertyvalue.

Explanation
A message is written to the log to indicate the name and value of a custom property.

System action
Processing continues.

User response
None

Module: DFHWS2LS

Destination
SYSPRINT

DFHPI9819 I  Starting write of file filename.

Explanation
The named file, retrieved from WSRR, is about to be written to the file system.

System action
Processing continues.

User response
None

Module: DFHWS2LS

Destination
SYSPRINT

DFHPI9820 E  An IOException occurred when attempting to write file filename.

Explanation
The file retrieved from WSRR has not been written to the location specified in the message.

System action
Processing terminates.

User response
Change the permissions for the directories specified in the message to allow the tooling write access.

Module: DFHWS2LS

Destination
SYSPRINT

DFHPI9821 E  No document matched name filename, namespace xmlns, and version version.

Explanation
No WSDL document was found in WSRR that matched the values specified for parameters WSRR-NAME, WSRR-NAMESPACE, and WSRR-VERSION.

System action
There is no WSDL document to process. Processing terminates.
User response
Change the parameters WSRR-NAME, WSRR-NAMESPACE, and WSRR-VERSION to values that match a WSDL document in WSRR.

Module:
DFHWS2LS

Destination
SYSPRINT

DFHPI9822 E The parameter parameterName has an invalid value of value.

Explanation
The named parameter is set to an invalid value.

System action
Processing ends.

User response
Change the parameter to use a valid value. The format for WSRR-SERVER is "protocol://hostname:port".

Module:
DFHWS2LS, DFHLS2WS

Destination
SYSPRINT

DFHPRnnnn messages

DFHPR0101I date time applid The table entry for partner ptnrname has been replaced.

Explanation
This is an informational message indicating that the partner resource manager has replaced the existing table entry for the ptnrname partner, with a new table entry.

System action
The system continues normally.

User response
None.

Module:
DFHPRPT

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. ptnrname

Destination
CSRL

DFHPR0102I date time applid The table entry for partner ptnrname has been added.

Explanation
This is an informational message indicating that the partner resource manager has added a new table entry for the ptnrname partner.
**System action**
The system continues normally.

**User response**
None.

**Module:**
DFHPRPT

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *ptnname*

**Destination**
CSRL

**DFHPR0103I**

<table>
<thead>
<tr>
<th>date</th>
<th>time</th>
<th>applid</th>
<th>The table entry for partner <em>ptnname</em> has been deleted.</th>
</tr>
</thead>
</table>

**Explanation**
This is an informational message indicating that the partner resource manager has deleted the table entry for the *ptnname* partner.

**System action**
The system continues normally.

**User response**
None.

**Module:**
DFHPRIN1

**XMEOUT parameters/Message inserts**
1. *applid*

**Destination**
Console

**DFHPR0105I**

<table>
<thead>
<tr>
<th>applid</th>
<th>Partner resource manager initialization has ended.</th>
</tr>
</thead>
</table>

**Explanation**
This is an informational message indicating that partner resource manager initialization has completed successfully.

**System action**
Initialization continues.

**User response**
None. You can suppress this message with SIT parameter, MSGlvl=0.

**Module:**
DFHPRIN1

**XMEOUT parameters/Message inserts**
1. *applid*

**Destination**
Console

**DFHPR0106I**

<table>
<thead>
<tr>
<th>applid</th>
<th>Partner resource manager initialization has failed.</th>
</tr>
</thead>
</table>

**Explanation**
The partner resource manager has failed to initialize successfully.
System action
Message DFHSI1522 is issued following this message. CICS terminates or continues initialization depending upon the operator's response to message DFHSI1522. An exception trace entry is written at the time the failure is detected. Other CICS components called by partner resource manager initialization may also issue messages or write trace entries.

User response
Decide whether CICS can continue execution without the partner resource manager, and respond accordingly to message DFHSI1522. You should also investigate why the partner resource manager failed to initialize, starting from the data contained in the exception trace entry.

Module:
DFHPRIN1

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHPSnnnn messages

DFHPS5366 applid The system spooling interface initialization program DFHPSIP is not present.

Explanation
CICS attempted to link to DFHPSIP but the attempt failed because DFHPSIP was not in the CICS program library.

System action
CICS terminates system spooler initialization.

User response
Place DFHPSIP in the CICS program library.

Module:
DFHSIJ1

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHPS5393 date time applid Transaction tranid ended without closing data set on system spool.

Explanation
The transaction tranid did not close a JES interface data set. Since only one transaction at a time can use the JES input interface, other transactions may be unnecessarily delayed.

System action
CICS executes a default CLOSE with the KEEP option for an INPUT data set or the DELETE option for an output data set.

User response
Change the program so that the transaction issues a SPOOLCLOSE before it terminates, and preferably immediately after the ENDFILE condition occurs on an input data set.

Module:
DFHPSPDW

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CSMT

DFHPS5394 date time applid A storage error has occurred in JES interface subtask, the JES interface has been disabled.

Explanation
An MVS FREEMAIN macro, issued by the CICS JES interface subtask, has failed. To keep dynamic storage area (DSA) storage usable, CICS has terminated the JES interface subtask with MVS user abend 0170.
System action
CICS rejects subsequent SPOOL commands with the NOSPOOL response.

User response
CICS will continue running normally (apart from the rejection of SPOOL commands), and you can let it continue unless your spooling requirements are critical. To reinitiate the JES interface, shut down CICS and perform a warm restart (START=AUTO in the SIT or as an initialization override). Use the MVS dump to find the source of the problem. In the dump, register 6 addresses the instruction before the ABEND. Normally, register 2 contains the address and register 0 the length of the area to be released.

DFHPTnnnn messages

DFHPT0001  applid  An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code.

Alternatively:
• Unexpected data has been input,
• Storage has been overwritten, or
• There has been a program check within a user program.

The code aaa is, if applicable, a 3-digit hexadecimal MVS system completion code (for example, C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The 4-digit code bbbb, which follows aaa, is a user abend code produced either by CICS or by another product on the user’s system.

If X'offset' contains the value X'FFFF', then module modname was in control at the time of the abend, but the program status word (PSW) was not addressing this module.

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Module:
DFHPSPST

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CSMT

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer.

Look up the MVS code aaa, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

If the modname insert contains the value ????, then CICS was unable to determine which module has abnormally terminated. In this case, examine the system dump to determine which area of code has caused the program check.

The user should examine other messages to determine what the module which issued this message was doing at the time the abend occurred. From these messages they can deduce which product has produced the abend code bbbb. If bbbb is identified as a CICS code, it may be either alphameric or numeric.

• If the CICS code is alphameric (for example AKEA) then it is a CICS transaction abend code.

• If the CICS code is numeric (for example 1310), it refers to a CICS message (DFHTS1310 in our example).

If the user abend code is from another product (for example, IMS), refer to the appropriate messages and codes manual to determine the cause of the abend.

The entries in the appropriate manuals will give the user guidance regarding the nature of the error, and may also give some guidance concerning the appropriate user response.
Note:
The program check may have occurred in a user program. If this is the case, the program check is usually followed by an ASRA or an ASRB transaction abend and a transaction dump.

If you want to suppress system dumps that precede ASRA and ASRB abends, you must specify this on an entry in the dump table, using either CEMT or an EXEC CICS command. Further guidance on suppressing system dumps can be found in the Configuring.

You may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHPTDM, DFHPTTW

XMEOUT parameters/Message inserts
1. applid
2. aaa/bbbb
3. X'offset'
4. modname

Destination
Console

DFHPT0002 applid A severe error (code X'code') has occurred in module modname.

Explanation
An error has been detected in module modname. The code X'code' is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System action
An exception entry is made in the trace table (X'code' in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system administrator. This failure indicates a serious error in CICS. If you have not requested termination in the dump table, you may want to terminate CICS. For further information about CICS exception trace entries, see the Troubleshooting and support.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHPTDM, DFHPTTW

XMEOUT parameters/Message inserts
1. applid
2. X'code'
3. modname

Destination
Console

DFHRDnnnn messages

DFHRD0101 date time applid terminal userid tranid INSTALL PROGRAM(progname)

Explanation
Program progname has been installed into CICS by user ID userid at terminal terminal using transaction tranid.

System action
Processing continues.
7. proname

**Destination**

CRDI

**DFHRD0102**  
\[ date \ time \ applid \ terminal \ userid \ tranid \ INSTALL \ MAPSET(\text{mapsetid}) \]

**Explanation**

Mapset \text{mapsetid} has been installed into CICS by user ID \text{userid} at terminal \text{terminal} using transaction \text{tranid}.

**System action**

Processing continues.

**User response**

None.

**Module:**  
DFHAMP

**XMEOUT parameters/Message inserts**

1. \text{date}  
2. \text{time}  
3. \text{applid}  
4. \text{terminal}  
5. \text{userid}  
6. \text{tranid}  
7. \text{mapsetid}

**Destination**

CRDI

**DFHRD0104**  
\[ date \ time \ applid \ terminal \ userid \ tranid \ INSTALL \ TRANSACTION(\text{transid}) \]

**Explanation**

Transaction \text{transid} has been installed into CICS by user ID \text{userid} at terminal \text{terminal} using transaction \text{tranid}.

**System action**

Processing continues.

**User response**

None.

**Module:**  
DFHAMP

**XMEOUT parameters/Message inserts**

1. \text{date}  
2. \text{time}  
3. \text{applid}  
4. \text{terminal}  
5. \text{userid}  
6. \text{tranid}  
7. \text{transid}

**Destination**

CRDI

**DFHRD0103**  
\[ date \ time \ applid \ terminal \ userid \ tranid \ INSTALL \ PARTITIONSET(\text{partitionsetid}) \]

**Explanation**

Partitionset \text{partitionsetid} has been installed into CICS by user ID \text{userid} at terminal \text{terminal} using transaction \text{tranid}.

**System action**

Processing continues.

**User response**

None.

**Module:**  
DFHAMP

**XMEOUT parameters/Message inserts**

1. \text{date}  
2. \text{time}  
3. \text{applid}  
4. \text{terminal}  
5. \text{userid}  
6. \text{tranid}  
7. \text{transid}

**Destination**

CRDI

**DFHRD0105**  
\[ date \ time \ applid \ terminal \ userid \ tranid \ INSTALL \ PROFILE(\text{profid}) \]
Explanation
Profile profid has been installed into CICS by user ID userid at terminal terminal using transaction tranid.

System action
Processing continues.

User response
None.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. profid

Destination
CRDI

DFHRD0106 date time applid terminal userid tranid INSTALL FILE(fileid)

Explanation
File fileid has been installed into CICS by user ID userid at terminal terminal using transaction tranid.

System action
Processing continues.

User response
None.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. lsrname

Destination
CRDI

DFHRD0107 date time applid terminal userid tranid INSTALL LSRPOOL(lsrname)

Explanation
Lsrpool lsrname has been installed into CICS by user ID userid at terminal terminal using transaction tranid.

System action
Processing continues.

User response
None.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. lsrname

Destination
CRDI

DFHRD0108 date time applid terminal userid tranid INSTALL PARTNER(partner-name)

Explanation
Partner partner-name has been installed into CICS by user ID userid at terminal terminal using transaction tranid.

System action
Processing continues.

User response
None.
Module: DFHAMP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. partner-name

**Explanation**

Transaction class `tranclassid` has been installed into CICS by user ID `userid` at terminal `terminal` using transaction `tranid`.

**System action**

Processing continues.

**User response**

None.

Module: DFHAMP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. tdqueueid

**Explanation**

Transient data queue `tdqueueid` has been installed into CICS by user ID `userid` at terminal `terminal` using transaction `tranid`.

**System action**

Processing continues.

**User response**

None.

Module: DFHAMP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. tdqueueid

**Explanation**

Journal model `journalmodelid` has been installed into CICS by user ID `userid` at terminal `terminal` using transaction `tranid`.

**System action**

Processing continues.

**User response**

None.

Module: DFHAMP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid

**Explanation**

Transact class `tranclassid` has been installed into CICS by user ID `userid` at terminal `terminal` using transaction `tranid`.
4. terminal
5. userid
6. tranid
7. journalmodelid

Destination
CRDI

DFHRD0112  date time applid terminal userid tranid INSTALL DB2CONN(db2conn-name)

Explanation
DB2CONN db2conn-name has been installed into CICS by user ID userid at terminal terminal using transaction tranid.

System action
Processing continues.

User response
None.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. db2conn-name

Destination
CRDI

DFHRD0114  date time applid terminal userid tranid INSTALL DB2TRAN(db2tran-name)

Explanation
DB2TRAN db2tran-name has been installed into CICS by user ID userid at terminal terminal using transaction tranid.

System action
Processing continues.

User response
None.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. db2tran-name
Destination
CRDI

**DFHRD0115**  
date time applid terminal 
userid tranid INSTALL 
PROCESSTYPE(processtype-name)

**Explanation**
PROCESSTYPE processtype-name has been installed into CICS by user ID userid at terminal terminal using transaction tranid.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. processtype-name

Destination
CRDI

**DFHRD0117**  
date time applid terminal 
userid tranid INSTALL 
ENQMODEL(enqmodel-name)

**Explanation**
ENQMODEL enqmodel-name has been installed into CICS by user ID userid at terminal terminal using transaction tranid.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHAMP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. tsmodel-name

Destination
CRDI

**DFHRD0118 I**  
date time applid terminal 
userid tranid INSTALL 
REQUESTMODEL(rqmodel-name)
Explaination
REQUESTMODEL rqmodel-name has been installed into CICS by user ID userid at terminal terminal using transaction tranid.

System action
Processing continues.

User response
None.
Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. rqmodel-name

Destination
CRDI

DFHRD0119 I  date time applid terminal userid tranid INSTALL
DOCTEMPLATE(doctemplate-name)

Explanation
DOCTEMPLATE doctemplate-name has been installed into CICS by user ID userid at terminal terminal using transaction tranid.

System action
Processing continues.

User response
None.
Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. tcpipservice-name

Destination
CRDI

DFHRD0120 I  date time applid terminal userid tranid INSTALL
TCPIPSERVICE(tcpipservice-name)

Explanation
TCPIPSERVICE tcpipservice-name has been installed into CICS by user ID userid at terminal terminal using transaction tranid.

System action
Processing continues.

User response
None.
Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. tcpipservice-name

Destination
CRDI

DFHRD0121 I  date time applid terminal userid tranid INSTALL
CORBASERVER(corbaserver-name)

Explanation
CORBASERVER corbaserver-name has been installed into CICS by user ID userid at terminal terminal using transaction tranid.
System action
Processing continues.

User response
None.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. corbaserver-name

Destination
CRDI

DFHRD0123 I date time applid terminal userid tranid INSTALL URIMAP(urimap-name)

Explanation
URIMAP urimap-name has been installed into CICS by user ID userid at terminal terminal using transaction tranid.

System action
Processing continues.

User response
None.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. urimap-name

Destination
CRDI

DFHRD0124 I date time applid terminal userid tranid INSTALL PIPELINE(pipeline-name)

Explanation
PIPELINE pipeline-name has been installed into CICS by user ID userid at terminal terminal using transaction tranid.

System action
Processing continues.

User response
None.

Module:
Explanation
WEBSERVICE webservice-name has been installed into CICS by user ID userid at terminal terminal using transaction tranid.

System action
Processing continues.

User response
None.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. webservice-name

Destination
CRDI

Explanation
IPCONN ipconn-name has been installed into CICS by user ID userid at terminal terminal using transaction tranid.

System action
Processing continues.

User response
None.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. ipconn-name

Destination
CRDI

Explanation
LIBRARY library-name has been installed into CICS by user ID userid at terminal terminal using transaction tranid.

System action
Processing continues.

User response
None.

Module: DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. library-name

Destination
CRDI

DFHRD0128 I date time applid terminal userid tranid INSTALL BUNDLE(bundle-name)

Explanation
BUNDLE bundle-name has been installed into CICS by user ID userid at terminal terminal using transaction tranid.

System action
Processing continues.

User response
None.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. bundle-name

DFHRD0129 I date time applid terminal userid tranid INSTALL ATOMSERVICE(atomservice-name)

Explanation
ATOMSERVICE atomservice-name has been installed into CICS by user ID userid at terminal terminal using transaction tranid.

DFHRD0130 I date time applid terminal userid tranid INSTALL MQCONN(mqconn-name)

Explanation
MQCONN mqconn-name has been installed into CICS by user ID userid at terminal terminal using transaction tranid.

System action
Processing continues.

User response
None.

Module:
DFHAMP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. mqconn-name
DFHRD0131 I  date time applid terminal userid tranid INSTALL JVMSERVER(jvmserver-name)

Explanation
JVMSERVER jvmserver-name has been installed into CICS by user ID userid at terminal terminal using transaction tranid.

System action
Processing continues.

User response
None.

Module: DFHAMP

DFHRD0132 I  date time applid terminal userid tranid INSTALL MQMONITOR(mqmonitor-name)

Explanation
MQMONITOR mqmonitor-name has been installed into CICS by user ID userid at terminal terminal using transaction tranid.

System action
Processing continues.

User response
None.

Module: DFHAMP

DFHRD0133 I  date time applid terminal userid tranid INSTALL DUMPCODE(dumpcode-name)

Explanation
DUMPCODE dumpcode-name has been installed into CICS by user ID userid at terminal terminal using transaction tranid.

System action
Processing continues.

User response
None.

Module: DFHAMP
DFHRLnnnn messages

**DFHRL0001**  
*applid* An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.

**Explanation**
An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action**
An exception entry is made in the trace table. A system dump is taken, unless you have specified suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If you cannot continue without the full use of module *modname* you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHRLBR, DFHRLDM, DFHRLPK, DFHRLRG, DFHRLRS, DFHRLVP

**XMEOUT parameters/Message inserts**
1. *applid*
2. *aaa/bbbb*
3. *X'offset'*
4. *modname*

**Destination**
Console

**DFHRL0002**  
*applid* A severe error (code *X'code'* has occurred in module *modname*.

**Explanation**
An error has been detected in module *modname*. The code *X'code'* is the exception trace point ID which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the Troubleshooting and support.

**System action**
An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specified suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

If module *modname* is not crucial to the running of your CICS system, you
may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module \texttt{modname}, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHRLBR, DFHRLDM, DFHRLPK, DFHRLRG, DFHRLRS

**XMEOUT parameters/Message inserts**

1. \texttt{applid}
2. \texttt{X'code'
3. \texttt{modname}

**Destination**

Console

**DFHRL0101 E** \texttt{date time applid tranid} The CICS resource lifecycle manager encountered an error while trying to link to program \texttt{program\_name}. 
\{The program abended., The program was not defined., The program was not enabled., The program was not loadable., No further details are available.\}

**Explanation**
The CICS resource lifecycle registration class, DFHRLRG, was unable to link to program \texttt{program\_name}, or the linked program abnormally ended.

**System action**
The link is abandoned. Error processing continues.

**User response**
Ensure that the PROGRAM resource definition of the linked program is correct. If the message reports that no further information is available, refer to trace.

**Module:** DFHRLRG

**XMEOUT parameters/Message inserts**

1. \texttt{date}
2. \texttt{time}
3. \texttt{applid}
4. \texttt{tranid}
5. \texttt{program\_name}
6. Value chosen from the following options:
   1=The program abended.,
   2=The program was not defined.,
   3=The program was not enabled.,
   4=The program was not loadable.,
   5=No further details are available.

**Destination**

CRLO

**DFHRL0102 E** \texttt{date time applid tranid} The CICS resource lifecycle manager failed to create the resource \texttt{resource\_name} and returned with reason \texttt{reason}.

**Explanation**
The CICS resource lifecycle resource class, DFHRLRS, failed to create the resource \texttt{resource\_name}.

**System action**
The creation process ends and the resource is set to a failed state. Error processing continues.

**User response**
Correct the problem identified in the message. If the message reports that no further information is available, refer to trace.

**Module:** DFHRLRS

**XMEOUT parameters/Message inserts**

1. \texttt{date}
2. \texttt{time}
3. \texttt{applid}
4. \texttt{tranid}
5. \texttt{resource\_name}
6. \texttt{reason}

**Destination**

CRLO

**DFHRL0103 E** \texttt{date time applid tranid} The CICS resource lifecycle manager failed to create the BUNDLE
Explanation
The CICS resource lifecycle bundle class, DFHRLPK, failed to create the BUNDLE resource bundle_name because the manifest manifest_file in the bundle root directory was not found or is not valid.

System action
The creation process ends and the BUNDLE resource is set to a failed state. Error processing continues.

User response
Ensure that the root directory is correctly specified in the BUNDLE resource definition and the manifest is valid.

Module:
DFHRLPK

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. bundle_name
6. manifest_file
7. Value chosen from the following options:
   1=was not found.,
   2=is invalid.

Destination
CRLO

DFHRL0105 E  date time applid tranid The CICS resource lifecycle manager failed to create the BUNDLE resource bundle_name because the resource path_name defined in the bundle manifest was not found.

Explanation
The CICS resource lifecycle bundle class, DFHRLPK, failed to create the BUNDLE resource bundle_name because the resource path_name defined in the bundle manifest was not found.

System action
The creation process ends and the BUNDLE resource is set to a failed state. Error processing continues.

User response
Ensure that the manifest definition in the root directory is correct.

Module:
DFHRLPK

XMEOUT parameters/Message inserts
1. date
2. time

Explanation
The CICS resource lifecycle bundle class, DFHRLPK, failed to create the BUNDLE resource bundle_name due to insufficient access rights to the resource path_name defined in the bundle manifest.

System action
The creation process ends and the BUNDLE resource is set to a failed state. Error processing continues.

User response
Ensure that the manifest file definition in the root directory is correct.

Module:
DFHRLPK

XMEOUT parameters/Message inserts
1. date
2. time
The CICS resource lifecycle manager failed to create the BUNDLE resource `bundle_name` because CICS is not authorized to read the manifest `manifest_file` in the root directory of the bundle.

Explanation

The CICS resource lifecycle bundle class, DFHRLPK, failed to create the BUNDLE resource `bundle_name` due to insufficient access rights to the manifest `manifest_file` in the root directory of the bundle.

System action

CICS continues normally.

User response

Ensure that the root directory in the bundle definition is correct.

Module:

DFHRLPK

XMEOUT parameters/Message inserts

1. `date`
2. `time`
3. `applid`
4. `userid`
5. `bundle_name`
6. `manifest_file`

Destination

CRLO

DFHRL0108 I `date time applid userid` The CICS resource lifecycle manager is in the process of creating the BUNDLE resource `bundle_name` and the BUNDLE is in the `state` state.

Explanation

The CICS resource lifecycle resource class, DFHRLPK, is creating the BUNDLE resource `bundle_name` and the BUNDLE is in the `state` state.

System action

CICS continues to create the BUNDLE.

User response

None.

Module:

DFHRLPK

XMEOUT parameters/Message inserts

1. `date`
The CICS resource lifecycle manager has created the BUNDLE resource
bundle_name and the BUNDLE is in the state state.

Explanation
The CICS resource lifecycle bundle class, DFHRLPK, has failed to create the BUNDLE resource bundle_name.

System action
The creation process is finished. Error processing continues.

User response
Refer to earlier DFHRLXXXX messages for further information.
Destination

CRLO

**DFHRL0111 E**  
*date time applid tranid* The CICS resource lifecycle manager failed to create the resource *resource_name* because the resource type *resource_type* has not been registered.

**Explanation**

The CICS resource lifecycle resource class, DFHRLRS, failed to create the resource *resource_name* because no program is registered to handle *resource_type* resource type.

**System action**

The creation process ends and the resource is set to a failed state. Error processing continues.

**User response**

Ensure that a program is registered to the CICS resource lifecycle manager to handle the resource type.

**Module:** DFHRLRS

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. tranid  
5. manifest_name  
6. bundle_name

Destination

CRLO

**DFHRL0112 E**  
*date time applid tranid* The encoding of the manifest *manifest_name* in the root directory of the bundle *bundle_name* is not valid. The value UTF-8 is expected.

**Explanation**

The CICS resource lifecycle bundle class, DFHRLPK, failed to create bundle *bundle_name*, because the encoding of the manifest *manifest_name* in the root directory of the bundle is not valid. The value UTF-8 is expected.

**System action**

The creation process ends and the bundle is set to a failed state. Error processing continues.

**User response**

Ensure that the encoding of a manifest is in UTF-8.

**Module:** DFHRLPK

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. tranid  
5. manifest_name  
6. bundle_name

Destination

CRLO

**DFHRL0113 E**  
*date time applid tranid* The CICS resource lifecycle manager failed to create the BUNDLE resource *bundle_name* because CICS failed to parse the manifest *manifest_name* specified in the bundle root directory.  
{The manifest is not valid. | Failed to convert the manifest. | The specified bundleVersion is not supported. | The specified bundleRelease is not supported. | The specified id contains invalid characters. | The specified bundleMajorVer is invalid. | The specified bundleMinorVer is invalid. | The specified bundleMicroVer is invalid. | Bundle ID mismatch. | Bundle version mismatch.}

**Explanation**

The CICS resource lifecycle bundle class, DFHRLPK, failed to create bundle *bundle_name*, because CICS failed to parse the manifest *manifest_name* specified in the bundle root directory.
System action
The creation process ends and the bundle is set to a failed state. Error processing continues.

User response
Ensure that the manifest is valid for CICS to parse. Ensure the attributes of the manifest element are correctly specified.

- The supported value of bundleVersion is 1.
- The supported value of bundleRelease is 0.
- The bundleMajorVer, bundleMinorVer and bundleMicroVer are positive integer values.

Refer to information reported in the message and earlier DFHPIXXXXX messages for further information.

Module:
DFHRLPK

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. bundle_name
6. manifest_name
7. Value chosen from the following options:
   1=The manifest is not valid.,
   2=Failed to convert the manifest.,
   3=The specified bundleVersion is not supported.,
   4=The specified bundleRelease is not supported.,
   5=The specified id contains invalid characters.,
   6=The specified bundleMajorVer is invalid.,
   7=The specified bundleMinorVer is invalid.,
   8=The specified bundleMicroVer is invalid.,
   9=Bundle ID mismatch.,
   10=Bundle version mismatch.

Destination
CRLO

DFHRL0114 W  date time applid tranid The CICS resource lifecycle manager detected a missing import for BUNDLE resource_name. Import name: import_name type: import_type.

Explanation
The CICS resource lifecycle class, DFHRLRS, has detected that BUNDLE resource_name contains a dependency on an imported resource that is not currently available and enabled. The dependency is defined with warning messages active. The imported dependency name is import_name and its type is import_type.

System action
If the imported dependency is defined as mandatory, the BUNDLE will be in a disabled state until the import is available and enabled.

User response
To avoid this problem, ensure that imported resources are installed into CICS before a BUNDLE resource that references them is installed.

Ensure that the name and type of the imported resource are correctly specified in the BUNDLE manifest file.

If the missing imported resource is subsequently installed and ENABLED, the state of the BUNDLE resource can change to ENABLED when it is next refreshed. You can trigger a refresh of the state by browsing or inquiring on the BUNDLE resource. If this happens, message DFHRL0126 is issued.

Module:
DFHRLPK

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. resource_name
6. import_name
7. import_type

Destination
CRLO

DFHRL0115 W  date time applid tranid The attempt to {enable | disable | discard} the BUNDLE bundle_name failed because one or more of its defined resources are {in an ENABLED | in an UNUSABLE | not in a DISABLED} state.
**Explanation**
The requested operation on the BUNDLE *bundle_name* could not be performed. One or more resources defined in the BUNDLE are in a state that does not allow this operation.

**System action**
This warning message is issued. The operation is not performed.

**User response**
If one or more resources are in an ENABLED state, disable the BUNDLE before attempting the operation again. If one or more resources are in an UNUSABLE state, you can only disable and discard the BUNDLE.

**Module:**
DFHRLPK

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `tranid`
5. Value chosen from the following options:
   1. `enable`
   2. `disable`
   3. `discard`
6. `bundle_name`
7. Value chosen from the following options:
   1. `in an ENABLED`
   2. `in an UNUSABLE`
   3. `not in a DISABLED`

**Destination**
Console

**DFHRL0116 E** `applid` The CICS resource lifecycle bundle class failed to re-create the BUNDLE resource *bundle_name* because the manifest *manifest_file* was not found.

**Explanation**
The CICS resource lifecycle bundle class, DFHRLPK, failed to recover the BUNDLE resource *bundle_name* because the manifest *manifest_file* was not found in the bundle META-INF subdirectory.

**System action**
The re-create process ends and the BUNDLE resource is removed from the CICS catalog.

**User response**
Redeploy the bundle.

**Module:**
DFHRLPK

**XMEOUT parameters/Message inserts**
1. `applid`
2. `bundle_name`
3. `manifest_file`

**Destination**
CRLO

**DFHRL0117 E** `applid` The CICS resource lifecycle bundle class failed to re-create the BUNDLE resource *bundle_name* because CICS is not authorized to read the manifest *manifest_file*.

**Explanation**
The CICS resource lifecycle bundle class, DFHRLPK, failed to re-create the BUNDLE resource *bundle_name* due to insufficient access rights to the manifest *manifest_file* in the META-INF subdirectory of the bundle.

**System action**
The creation process ends and the BUNDLE resource is removed from the CICS catalog.

**User response**
Redeploy the bundle.

**Module:**
DFHRLPK

**XMEOUT parameters/Message inserts**
1. `applid`
2. `bundle_name`
3. `manifest_file`
**Destination**
Console

**DFHRL0118 E** applid The CICS resource lifecycle bundle class has failed to re-create the BUNDLE resource `bundle_name`.

**Explanation**
The CICS resource lifecycle bundle class, DFHRLPK, has failed to re-create the BUNDLE resource `bundle_name`.

**System action**
The BUNDLE resource is not re-created and removed from the CICS catalog.

**User response**
Redploy the bundle.

**Module:**
DFHRLPK

**XMEOUT parameters/Message inserts**
1. applid
2. bundle_name

**Destination**
Console

**DFHRL0119 E** applid The CICS resource lifecycle bundle class failed to re-create the BUNDLE resource `bundle_name` because of failed consistency checks with the manifest `manifest_file`.

**Explanation**
CICS failed to re-create the BUNDLE resource `bundle_name` because of a failed consistency check for manifest file `manifest_file`. The consistency check is used to verify that the same version of the BUNDLE is reinstalled as was previously in use by CICS, this message indicates that CICS is unable to recover the previously installed version.

This message can be issued because a new version of a Bundle has been copied to zFS, but had not been installed prior to the restart of CICS. The updated Bundle contents have replaced the older zFS files, CICS cannot recover to the version previously in use. Such problems can usually be avoided through use of a version numbering scheme for Bundles; if the updated Bundle had a new version number then it would typically be deployed to a different zFS directory, and CICS could recover the older version across the restart.

Overwriting an installed Bundle's zFS directory structure can result in system integrity risks. Some System Programmer actions can cause CICS to re-read a configuration file from zFS, if the zFS structure has been overwritten then CICS may read a newer version of a file than was expected. There are two safe mechanisms to make updates to an installed Bundle: 1) Discarding and then reinstalling the BUNDLE resource, and 2) using the BUNDLE PHASEIN mechanism. These mechanisms will cause a Bundle to be refreshed in a fashion that will not risk DFHRL0119 messages being issued on CICS restart and system integrity is maintained.

If these mechanisms are not used, and if the zFS directory for an already installed Bundle is updated, it is possible for configuration files from the updated zFS structure to be pulled into CICS as a side effect of System Programmer actions. For example, Disabling and Enabling the BUNDLE may result in some of the files being reread; Disabling and Enabling a JVMSERVER may cause OSGIBUNDLE and related parts to be reloaded. This can result in a scenario where some parts of CICS are using the updated Bundle content, and other parts of CICS are using the older Bundle content. This scenario could go undetected until the DFHRL0119 message is issued on a subsequent restart of CICS.

**System action**
The BUNDLE is created in the DISABLED state.

**User response**
Discard and reinstall the BUNDLE. Consider changing the process used for developing new versions of Bundles, for example by updating the bundle version number. Consider changing the process for deploying new versions of Bundles, for example by discarding the BUNDLE in CICS before the new version is copied to zFS.

**Module:**
DFHRLPK

**XMEOUT parameters/Message inserts**
1. applid
2. bundle_name
3. manifest_file
Destination
Console

DFHRL0120 W  date time applid tranid The import of resource resource_name of type type_name for BUNDLE resource bundle_name failed as the resource was not available in an enabled state.

Explanation
The CICS resource lifecycle class, DFHRLRS, found that an import resource resource_name of type type_name was not available and enabled.

System action
This warning message is issued. The BUNDLE might be installed in a disabled state.

User response
Ensure that the composite name is correctly specified in the BUNDLE manifest file. Ensure that the named resource is available and in an enabled state.

Module:
DFHRLPK

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1=define,
   2=import,
   3=export,
   4=modify
6. bundle_name
7. type_name

Destination
CRLO

DFHRL0122 E  applid The CICS resource lifecycle manager failed to re-create the resource resource_name for BUNDLE resource bundle_name.

Explanation
The CICS resource lifecycle resource class, DFHRLRS, has failed to re-create the resource resource_name for BUNDLE resource bundle_name.

System action
An exception entry is made in the trace table. The resource is removed from the CICS catalog and processing continues.

User response
Refer to earlier messages for further information. Redeploy the bundle.
DFHRLRS

XMEOUT parameters/Message inserts
1. applid
2. resource_name
3. bundle_name

Destination
Console

DFHRL0123 E applid  The CICS resource lifecycle manager failed to acquire PROGRAM program_name for BUNDLE resource bundle_name.

Explanation
The CICS resource lifecycle bundle class, DFHRLPK, has failed to acquire PROGRAM program_name for BUNDLE resource bundle_name. The CSD groups DFHRL and DFHPIPE must be installed before any BUNDLE resources are installed. It is likely that one of these groups is missing from the GRPLIST system initialization parameter.

System action
The bundle fails to install, error processing continues.

User response
Ensure that the required resource definitions are installed. If the definitions are installed from a list in the GRPLIST system initialization parameter, ensure that the supplied definitions are listed before any groups that contain BUNDLE resources.

Module:
DFHRLPK

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. resource_name
6. type_name
7. bundle_name

Destination
CRLO

DFHRL0125 I date time applid userid BUNDLE resource bundle_name is being created with BUNDLEID bundle_id and version bundle_major_ver.bundle_minor_ver.bundle_micro_ver.

Explanation
The CICS resource lifecycle bundle class, DFHRLPK, is creating the BUNDLE resource bundle_name with BUNDLEID bundle_id and version bundle_major_ver.bundle_minor_ver.bundle_micro_ver. The BUNDLEID and version are extracted from the manifest file in the root directory of the BUNDLE. The version is specified as MAJORVERSION.MINORVERSION.MICROVERSION.

System action
CICS continues normally.

User response
None.

Module:

Chapter 2. CICS messages 1529
DFHRLPK

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. bundle_name
6. bundle_id
7. bundle_major_ver
8. bundle_minor_ver
9. bundle_micro_ver

Destination
CRLO

DFHRL0126 I date time applid tranid The {import | modifier} of resource resource_name of type type_name for BUNDLE resource bundle_name has changed to {enabled | disabled} state.

Explanation
The CICS resource lifecycle class, DFHRLRS, found that resource resource_name of type type_name has changed state.

The resource may have been installed, enabled, disabled or discarded. CICS refreshes the state of the BUNDLE resource intermittently, usually during an INQUIRE or BROWSE action against the BUNDLE. This message indicates that a state change has been detected. The change may have occurred at any point prior to this message being issued, and since the last time the BUNDLE state was refreshed.

System action
The state of the BUNDLE resource changes if the change to the bundle part resource affects the overall state of the Bundle. If this happens, message DFHRL0127 is issued.

For example, if the imported resource has been disabled, the BUNDLE resource will also be disabled. However, if the imported resource has been enabled, the BUNDLE resource will only become enabled if there are no other outstanding problems with the BUNDLE.

User response
None.

Module:
DFHRLRS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1=import,
   2=modifier
6. resource_name
7. type_name
8. bundle_name
9. Value chosen from the following options:
   1=enabled,
   2=disabled

Destination
CRLO

DFHRL0127 I date time applid tranid The state of BUNDLE bundle_name has changed to {enabled | disabled} state.

Explanation
The CICS resource lifecycle bundle class, DFHRLPK, found that BUNDLE resource bundle_name has changed state.

CICS refreshes the state of the BUNDLE resource intermittently, usually during an INQUIRE or BROWSE action against the BUNDLE. The change may have occurred at any point prior to this message being issued, and since the last time the Bundle state was refreshed.

System action
CICS continues normally.

User response
Refer to any other messages that have been issued to understand why the state of the Bundle changed. This message will often be accompanied by message DFHRL0126, that can provide further information.

Module:
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. bundle_name
6. Value chosen from the following options:
   1 = enabled,
   2 = disabled

Explanation

The CICS resource lifecycle bundle class, DFHRLPK, has started to create the BUNDLE resource bundle_name with bundle ID bundle_id and version bundle_major_ver.bundle_minor_ver.bundle_micro_ver for application application_id version appl_major_ver.appl_minor_ver.appl_micro_ver on platform platform_id. To create a bundle, it reads the manifest in the root directory and creates the required resources. CICS has dynamically generated a unique name for the BUNDLE resource.

System action

CICS continues normally.

User response

None.

Module:
DFHRLPK

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. bundle_name

Destination

CRLO

DFHRL0128 I  date time applid userid The CICS resource lifecycle manager has started to create BUNDLE bundle_name with bundle ID bundle_id and version bundle_major_ver.bundle_minor_ver.bundle_micro_ver for application application_id version appl_major_ver.appl_minor_ver.appl_micro_ver on platform platform_id.

Explanation

The CICS resource lifecycle manager failed to create BUNDLE bundle_name because the BASESCOPE attribute on the bundle definition is invalid.

System action

The creation process ends and the bundle is set to a failed state. Error processing continues.

User response

Correct the BASESCOPE attribute and reinstall the BUNDLE.

Module:
DFHRLPK

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. bundle_name
**Destination**
CRLO

**DFHRL0130** *date time applid userid tranid*
BUNDLE definition for *bundlename* has been discarded.

**Explanation**
This is an audit log message indicating that BUNDLE definition *bundlename* has been discarded. Where:

- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

**System action**
The system continues normally.

**User response**
None.

**Module:**
DFHRLPK

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *userid*
5. *tranid*
6. *bundlename*

---

**Destination**
CRLO

**DFHRL0131 E** *date time applid tranid*
BUNDLE *bundle_name* failed to update the resource *resource_name* of type *resource_type* because CICS does not support {entry points | policy scopes} for this resource type.

**Explanation**
The CICS resource lifecycle resource class, DFHRLRS, failed to update the resource *resource_name* in BUNDLE *bundle_name* because CICS does not support updates to entry points or policy scopes by resources of type *resource_type*.

**System action**
CICS continues normally.

**User response**
None.

**Module:**
DFHRLPK
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. bundle_name
6. Value chosen from the following options:
   - 1=enabled,
   - 2=disabled

Destination

CRLO

DFHRL0133 E  

date time applid tranid The CICS resource lifecycle manager failed to create the BUNDLE resource bundle_name because the path_name definition file was empty.

Explanation

The CICS resource lifecycle bundle class, DFHRLPK, failed to create the BUNDLE resource bundle_name because the path_name definition file was empty.

System action

The creation process ends and the Bundle Part is made UNUSABLE. Error processing continues.

User response

Ensure that the definition file in the root directory is correct.

Module:

DFHRLPK

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. bundle_name
6. path_name

Destination

CRLO

DFHRL0134 I  

date time applid userid The CICS resource lifecycle manager has started to create BUNDLE bundle_name with bundle ID bundle_id and version bundle_major_ver.bundle_minor_ver.bundle_micro_ver on platform platform_id.

Explanation

The CICS resource lifecycle bundle class, DFHRLPK, has started to create the BUNDLE resource bundle_name with bundle ID bundle_id and version bundle_major_ver.bundle_minor_ver.bundle_micro_ver on platform platform_id. To create a bundle, it reads the manifest in the root directory and creates the required resources. CICS has dynamically generated a unique name for the BUNDLE resource.

System action

CICS continues normally.

User response

None.

Module:

DFHRLPK

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. bundle_name
6. bundle_id
7. bundle_major_ver
8. bundle_minor_ver
9. bundle_micro_ver
10. platform_id

Destination

CRLO

DFHRL0135 E  

date time applid tranid The CICS resource lifecycle manager has failed to associate {an entry point / a policy scope} for resource_type resource_name in BUNDLE bundle_name because

Chapter 2. CICS messages 1533
CICS does not support platform \{entry points. \| policy scopes.\}

**Explanation**

The CICS resource lifecycle manager failed to associate the resource `resource_name` in BUNDLE `bundle_name` because CICS does not support entry points or policy scopes deployed as part of a platform. This error could be caused by a user attempting to enable a platform definition (PLATDEF), where the platform includes a bundle containing either an entry point or a policy scope definition.

**System action**

The enable process ends and the resource is set to a failed state. Error processing continues.

**User response**

Consider removing the associated `<modify>` statement for the entry point or policy scope from the bundle manifest file. Alternatively, if the bundle has been included in a platform, consider removing the bundle from the platform. If the policy scope or entry point relates to an application, add the bundle to the application and then install the application into the platform.

**Module:**

DFHRLRS

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tranid`
5. Value chosen from the following options:
   1=an entry point,
   2=a policy scope
6. `resource_type`
7. `resource_name`
8. `bundle_name`
9. Value chosen from the following options:
   1=entry points.,
   2=policy scopes.

**Destination**

CRLO

---

**DFHRL0136 W**  
`date time applid tranid`  
The BUNDLE `bundle_name` has been DISABLED because one or more of its defined resources have become UNUSABLE.

**Explanation**

The BUNDLE `bundle_name` has become DISABLED because one or more of its parts has become unusable. Use previous CICS messages to identify the cause for unusable bundle parts. It may be a result of actions external to the bundle, for example a dependent JVM server may have terminated resulting in unusable Java parts.

**System action**

This warning message is issued. The bundle is disabled.

**User response**

A BUNDLE with unusable parts cannot be enabled. It should be discarded and re-installed. If the BUNDLE contains one or more ENABLED parts, then first disable the bundle before attempting to discard.

**Module:**

DFHRLPK

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `bundle_name`

**Destination**

CRLO

---

**DFHRL2002 S**  
DFHDPLOY failed to initialize a CICSPlex SM API environment.

**Explanation**

The CICSPlex SM API REXX environment could not be initialized.

**System action**

The DFHDPLOY batch utility stops processing and issues a return code of 12.
User response
Review the output and the JCL to determine why the environment could not be initialized.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2003 E Unknown command unknowncommand found in the script.

Explanation
The DFHDPLOY script contains an unrecognized command.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 12.

User response
Remove the unknown command from the DFHDPLOY script.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2004 E Unable to connect to CICSplex CICSplexname at any supported connection level.

Explanation
DFHDPLOY was unable to connect to the CICSplex at any of the supported CICSPlex SM API versions.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 12.

User response
Ensure the SEYUAUTH library used by the DFHDPLOY job step is the same as that used by the CMASes managing the CICSPlex referenced in the DFHDPLOY job step.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2005 E SYSIN data definition was not found or is empty.

Explanation
A SYSIN data definition was not found in the JCL used to submit the DFHDPLOY job. A SYSIN data definition is required.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 12.

User response
Correct the JCL to provide a valid SYSIN data definition.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2006 E Definition name of parameter is too long. Maximum length is maximum.

Explanation
The value of the specified parameter is longer than the maximum permitted length.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 12.

User response
Correct the value to be no longer than the maximum permitted length specified in the message.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2007 I Processing complete.
Explanation
DFHDPLOY has finished processing and will stop running.

System action
The DFHDPLOY batch utility stops running.

User response
None.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2008 E  Parameter parameter is too long. Maximum length is maximum.

Explanation
The value of the specified parameter is longer than the maximum permitted length.

System action
The DFHDPLOY batch utility stops running and issues a return code of 12.

User response
Correct the value to be no longer than the maximum permitted length specified in the message.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2009 E  Invalid value for parametername parameter of invalidvalue. Valid values are validvalues.

Explanation
The value of the specified parameter is invalid. The value must be one of the values given by the message.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 12.

User response
Specify a value for the parameter that is within the acceptable range of values.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2010 E  Invalid value for parametername parameter of invalidvalue. Valid range is a whole number from minimumvalue to maximumvalue, inclusive.

Explanation
The value of the specified parameter is invalid. The value must be a whole number in the range given by the message.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 12.

User response
Specify a valid value for the parameter from the given list of values.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2011 E  Mandatory parameter parametername was not included as part of the commandname command.

Explanation
The parameter specified by the message is mandatory for the command. It must be specified on the command.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 12.
User response
Correct the command to include the mandatory parameter.
Module: DFHDPLOY

Destination
SYSPRINT
DFHRL2012 I DEPLOY command completed successfully.

Explanation
The DEPLOY command has completed successfully.

System action
The DFHDPLOY batch utility continues to run.

User response
None.
Module: DFHDPLOY

Destination
SYSPRINT
DFHRL2013 I Connection to CICSpelix CICSpelixname, through CMAS CMASname successful.

Explanation
DFHDPLOY has successfully connected to the specified CICSpelix using the reported CMAS.

System action
The DFHDPLOY batch utility continues to run.

User response
None.
Module: DFHDPLOY

Destination
SYSPRINT
DFHRL2014 I Disconnecting from CICSpelix CICSpelixname.

Explanation
The DFHDPLOY script is disconnecting from the CICSpelix.

System action
The DFHDPLOY batch utility stops running.

User response
None.
Module: DFHDPLOY

Destination
SYSPRINT
DFHRL2015 E Invalid parameter parametername specified on command commandname.

Explanation
The parameter specified in the message is not a valid parameter for the command.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 12.

User response
Remove the invalid parameter from the command.
Module: DFHDPLOY

Destination
SYSPRINT
DFHRL2016 I SET command completed successfully.

Explanation
The SET command has completed successfully.

System action
The DFHDPLOY batch utility continues to run.

User response
None.
Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2017 E  Parameter parametername and parameter parametername are mutually exclusive as part of the commandname command.

Explanation
The parameters specified in the message are mutually exclusive and cannot both be part of the command.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 12.

User response
Remove the parameter in error and rerun the DFHDPLOY script.

Module: DFHDPLOY

Destination
SYSPRINT

DFHRL2018 E  CICSpex CICSpexname is a CMAS and not a valid CICSpex.

Explanation
The value of the CICSPLEX parameter contains the name of a CMAS and not a CICSpex.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Supply a valid CICSpex name on the CICSPLEX parameter.

Module: DFHDPLOY

Destination
SYSPRINT


Explanation
The file cannot be read because the file's security permissions are preventing the user running DFHDPLOY from accessing the file.

System action
The DFHDPLOY batch utility processing and issues a return code of 8.

User response
Modify the file security properties to allow the user ID access to the file.

Module: DFHDPLOY

Destination
SYSPRINT

DFHRL2020 E  Unable to read contents of file filename. File could not be found.

Explanation
The specified file could not be found.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Ensure the file exists in the specified directory or correct the parameter that specified the directory for the file to point to a valid file. Ensure all the required bundle or application artifacts have been created in the required directories, such as the manifest.xml file.

Module: DFHDPLOY

Destination
SYSPRINT

DFHRL2021 E  {Deploy | Set | Undeploy} of application applicationname cannot continue. The CICSpex SM maintenance point is not available.

Explanation
The CICSpex SM maintenance point is not available.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Ensure all the required bundle or application artifacts have been created in the required directories, such as the manifest.xml file.

Module: DFHDPLOY
**Explanation**
The command cannot complete because the maintainence point CMAS for the CICSplex is currently not available.

**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**User response**
Contact your system administrator.

**Module:**
DFHDPOLOY

**Destination**
SYSPRINT

**DFHRL2022 E**
{Deploy | Set | Undeploy} of bundle **bundlename** cannot continue. The CICSPlex SM maintenance point is not available.

**Explanation**
The command cannot complete because the maintainence point CMAS for the CICSplex is currently not available.

**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**User response**
Examine the active tasks belonging to the application to determine why they did not complete before the TIMEOUT threshold was reached. If necessary increase the TIMEOUT value.

**Module:**
DFHDPOLOY

**Destination**
SYSPRINT

**DFHRL2024 I**
BUNDLE definition **bundledefinitionname** version **versionnumber** successfully created.

**Explanation**
The BUNDLE definition has been created successfully with the named version number.

**System action**
The DFHDPOLOY batch utility continues to run.

**User response**
None.

**Module:**
DFHDPOLOY

**Destination**
SYSPRINT

**DFHRL2025 W**
BUNDLE definition **bundledefinitionname** has not been removed from EYUDREP or CSD.

**Explanation**
The UNDEPLOY BUNDLE has been successful and the BUNDLE definition has not been removed from the EYUDREP or CSD.

**System action**
The DFHDPOLOY batch utility continues to run.
DFHRL2026 E  No platform was found within the application binding applicationbindingname.

Explanation
The application binding specified on the BINDDIR parameter is invalid because it does not contain a platform.

System action
The DFHDPELOY batch utility stops processing and issues a return code of 8.

User response
Supply a valid application binding in the BINDDIR parameter.

Module: DFHDPELOY

Destination
SYSPRINT

DFHRL2027 E  Unable to read contents of file filename.

Explanation
The contents of the specified file could not be read.

System action
The DFHDPELOY batch utility stops processing and issues a return code of 8.

User response
Examine the file and its properties to determine why the file could not be read.

Module: DFHDPELOY

Destination
SYSPRINT

DFHRL2028 E  Platform definition not found for platform platformname.

Explanation
A platform definition could not be found that related to the value specified on the PLATFORM parameter.

System action
The DFHDPELOY batch utility stops processing and issues a return code of 12.

User response
Correct the PLATFORM value to specify an existing, installed platform.

Module: DFHDPELOY

Destination
SYSPRINT

DFHRL2029 E  Internal structure creation of object objectname failed.

Explanation
An unexpected error has occurred.

System action
The DFHDPELOY batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDPELOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHDPELOY

Destination
SYSPRINT

DFHRL2032 E  Resource group resourcegroupname cannot be created. Error code is errorcode.

Explanation
DFHDPELOY has encountered an unexpected error while trying to create a resource group.
System action
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

User response
Look up the error code in the RESGROUP resource table in the CICSPlex SM resource tables reference to determine the cause of the failure.

Module: DFHDPOLOY

Destination
SYSPRINT

DFHRL2033 E Unable to set application applicationname to state of targetstate. Error code is errorcode.

Explanation
DFHDPOLOY has encountered an unexpected error while trying to set the application state.

System action
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

User response
Look up the error code in the APPLCTN resource table in the CICSPlex SM resource tables reference to determine the cause of the failure.

Module: DFHDPOLOY

Destination
SYSPRINT

DFHRL2034 E Bundle definition bundledefinitionname cannot be removed. Error code is errorcode.

Explanation
DFHDPOLOY has encountered an unexpected error while trying to remove the bundle definition.

System action
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

User response
Look up the error code in the BUNDDEF resource table in the CICSPlex SM resource tables reference to determine the cause of the failure.

Module: DFHDPOLOY

Destination
SYSPRINT

DFHRL2036 E UNDEPLOY command successful.

Explanation
The UNDEPLOY command has completed successfully.

System action
The DFHDPOLOY batch utility continues to run.

User response
None.

Module: DFHDPOLOY

Destination
SYSPRINT
The command failed to complete within the specified TIMEOUT period of timeout seconds.

**Explanation**
The command timed out. A return code of 4 is issued if the timeout occurs during the last step of processing, but DFHDPELOY has yet to query whether all bundles or applications have reached the target state. A return code of 8 is issued if the timeout occurs before the last step of processing has begun. For more information see the troubleshooting page for the DFHDPELOY utility.

**System action**
The DFHDPELOY batch utility continues to run and issues a return code of 4 or stops processing and issues a return code of 8.

**User response**
Examine the DFHDPELOY and CICS system logs to determine why the command has timed out. If necessary increase the value of the TIMEOUT parameter.

**Module:** DFHDPELOY

**Destination**
SYSPRINT

**Explanation**
The command timed out before the application applicationname versionnumber has reached state targetstate.

**System action**
The DFHDPELOY batch utility stops processing and issues a return code of 8.

**User response**
Examine the DFHDPELOY and CICS system logs to determine why the command has timed out. If necessary increase the value of the TIMEOUT parameter.

**Module:** DFHDPELOY

**Destination**
SYSPRINT

**Explanation**
The specified resource is being discarded.

**System action**
The DFHDPELOY batch utility continues to run.

**User response**
None.

**Module:** DFHDPELOY

**Destination**
SYSPRINT

**Explanation**
DFHDPELOY has completed processing. Warning messages have been issued during processing.
**System action**
The DFHDPane batch utility stops processing.

**User response**
Examine the DFHDPane log and review the warning messages that were issued.

**Module:**
DFHDPane

**Destination**
SYSPRINT

**DFHRL2044 I**  
CICS application definition  
(applicationdefinitionname) created.

**Explanation**
The specified application definition has been created successfully.

**System action**
The DFHDPane batch utility continues to run.

**User response**
None.

**Module:**
DFHDPane

**Destination**
SYSPRINT

**DFHRL2045 I**  
CICS application definition  
(applicationdefinitionname) installed on platform  
(platformname).

**Explanation**
The specified application definition has been installed successfully on the named platform.

**System action**
The DFHDPane batch utility continues to run.

**User response**
None.

**Module:**
DFHDPane

**Destination**
SYSPRINT

**DFHRL2047 I**  
Performing PHASEIN of Bundle  
(bundlename).

**Explanation**
The PHASEIN of the bundle has begun. PHASEIN determines the highest semantic version of all OSGi bundles in the root directory for the CICS bundle and will register that version with the OSGi framework if it is not already registered.

**System action**
The DFHDPane batch utility continues to run.

**User response**
None.

**Module:**
DFHDPane

**Destination**
SYSPRINT

**DFHRL2049 I**  
Creating bundle definition.

**Explanation**
A bundle definition is being created as part of a DEPLOY command.
The DFHDPLOY batch utility continues to run.

None.

DFHRL2050 I  Creating Resource Group.

A resource group is being created as part of a DEPLOY command.

The DFHDPLOY batch utility continues to run.

None.

DFHRL2051 I  Creating bundle definition on the CSD in system targetsystem.

A bundle definition is being created on the CSD of the specified system.

The DFHDPLOY batch utility continues to run. Note: The script may hang if CSDGROUP has been specified and DFHDPLOY is waiting for a locked CSD to be released.

None.

DFHRL2054 I  Setting bundle state to targetstate.

The bundle is being set to the specified state.

The DFHDPLOY batch utility continues to run.

None.

DFHRL2055 I  Errors have occurred. Processing terminated.

DFHDPLOY is about to stop processing due to an earlier error.

The DFHDPLOY batch utility stops processing.
User response
Examine the earlier messages in the DFHDploy log to determine the reason processing has been terminated.

Module:
DFHDploy

Destination
SYSPRINT

DFHRL2056 I CICS application definition for application applicationname has been removed.

Explanation
The specified application definition has been removed successfully.

System action
The DFHDploy batch utility continues to run.

User response
None.

Module:
DFHDploy

Destination
SYSPRINT

DFHRL2057 S DFHDploy is unable to connect to CICSpex CICSpexname.

Explanation
DFHDploy could not establish a connection to the specified CICSpex.

System action
The DFHDploy batch utility stops processing and issues a return code of 8.

User response
Check the maintenance point CMAS log to establish whether the specified CICSpex is valid and there are no reported errors. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDploy

Destination
SYSPRINT

DFHRL2060 E The commandname command cannot complete because the version number for application applicationname contains non-numeric characters.

Explanation
An invalid value has been specified for an application version. The version number for an application must be a numeric value in the form majorversion.minorversion.microversion.

System action
The DFHDploy batch utility stops processing and issues a return code of 8.

User response
Correct the version number and run the command again.

Module:
DFHDploy

Destination
SYSPRINT

DFHRL2061 I Quiesce of tasks for application applicationname version versionnumber completed successfully.

Explanation
DFHDploy queries the TASKASSC resource and waits for any tasks associated with the specified application to complete using the application context data.

System action
The DFHDploy batch utility continues to run.

User response
None.

Module:
DFHDploy

Destination
SYSPRINT
DFHRL2062 S Commands cannot be processed because a SET CICSPLEX command has not been issued.

Explanation
The command cannot be processed because a SET CICSPLEX command has not been issued. The SET CICSPLEX command must be the first command in a DFHDPLOY script.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 12.

User response
Correct the DFHDPLOY script to ensure SET CICSPLEX is the first command issued.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2063 I No processing was completed. The application state is currentstate.

Explanation
The application state cannot be changed because it is currently in DISCARDING or FAILED state.

System action
The DFHDPLOY batch utility continues to run.

User response
Examine the DFHDPLOY log, the CMAS log, and the CICS system log to determine why the application has reached the current state.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2066 E The command name command cannot complete because the bundle bundle name in scope targetscope cannot be found.

Explanation
The requested command cannot complete because the specified bundle cannot be found. The bundle name may be incorrect or the bundle may have been removed by another process or user.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Specify the correct bundle name or examine the CICS system log to determine why the bundle was removed.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2067 W Bundle bundlename did not reach targetstate state. The current state is currentstate.

Explanation
The bundle could not reach the requested state.

System action
The DFHDPLOY batch utility continues to run.
User response
Check the DFHDPLOY log and the CICS system log to determine why the bundle did not reach the desired state.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2068 I On System "SYSPRINT"  Waiting for taskcount tasks to complete for application applicationname version versionnumber.

Explanation
This message gives the number of active tasks still being processed.

System action
The DFHDPLOY batch utility continues to run.

User response
None.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2069 W On System "SYSPRINT"  The bundle bundlename cannot be set to AVAILABLE because it contains no entry points.

Explanation
The specified bundle could not be put into an AVAILABLE state because it does not have any entry points.

System action
The DFHDPLOY batch utility continues to run.

User response
None.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2070 E On System "SYSPRINT"  Unable to connect to CICSplox CICSploxname at version versionnumber. The CICSplox SM API stub program does not support this.

Explanation
The CMAS that DFHDPLOY has connected to does not support the specified version. This may be because DFHDPLOY is connecting using a higher CICS version than the CMAS.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Contact your system administrator.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2071 I On System "SYSPRINT"  Unable to connect to CICSplox CICSploxname at version versionnumber.

Explanation
DFHDPLOY could not connect to the CICSplox because there was not a CMAS at the specified version available.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Contact your system administrator.

Module:
DFHDPLOY

Destination
SYSPRINT
**DFHRL2072 E**  A security exception occurred while attempting to connect to CICSplex `CICSpuxname`. Refer to message in the JOBLOG for further details.

**Explanation**
The user ID running the DFHDPLOY job does not have the required authority to connect to the CICSplex.

**System action**
The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**
Contact your system administrator.

**Module:**
DFHDPLOY

**Destination**
SYSPRINT

---

**DFHRL2073 E**  Bundle definition `bundledefinitionname` cannot be created. Error code is `errorcode`.

**Explanation**
DFHDPLOY has encountered an unexpected bundle creation error.

**System action**
The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**
Look up the error code in the BUNDDEF table in the CICSPlex SM resource tables reference to determine the cause of the failure.

**Module:**
DFHDPLOY

**Destination**
SYSPRINT

---

**DFHRL2075 I**  CICS application definition for application `applicationname` version `versionnumber` does not exist.

**Explanation**
During an UNDEPLOY command the application definition could not be found.

**System action**
The DFHDPLOY batch utility continues to run.

**User response**
None.

**Module:**
DFHDPLOY

**Destination**
SYSPRINT

---

**DFHRL2076 I**  Bundle definition for bundle `bundlename` in resource group `resourcegroupname` does not exist in system `targetsystem`.

**Explanation**
During an UNDEPLOY command the bundle could not be found in the specified system.
**System action**
The DFHDPOLEY batch utility continues to run.

**User response**
None.

**Module:** DFHDPOLEY

**Destination**
SYSPRINT

**Explanation**
The specified bundle has been successfully discarded from the scope.

**System action**
The DFHDPOLEY batch utility continues to run. Note: The script may hang if CSDGROUP has been specified and DFHDPOLEY is waiting for a locked CSD to be released.

**User response**
None.

**Module:** DFHDPOLEY

**Definition**

**DFHRL2077 I**  
Bundle *bundle name* has been discarded from scope *targetscope*.

**Explanation**
The specified bundle has been successfully discarded from the scope.

**System action**
The DFHDPOLEY batch utility continues to run. Note: The script may hang if CSDGROUP has been specified and DFHDPOLEY is waiting for a locked CSD to be released.

**User response**
None.

**Module:** DFHDPOLEY

**Destination**
SYSPRINT

**DFHRL2078 I**  
Application *application name* version *version number* has been discarded from platform *targetplatform*.

**Explanation**
The specified application has been successfully discarded from the platform.

**System action**
The DFHDPOLEY batch utility continues to run.

**User response**
None.

**Module:** DFHDPOLEY

**Destination**
SYSPRINT

**DFHRL2079 E**  
Transition to state *targetstate* cannot complete because application *applicationname* version *versionnumber* on platform *targetplatform* cannot be found.

**Explanation**
The application could not be set to the specified state because it could not be found in the platform. It may have been removed by another process or user.

**System action**
The DFHDPOLEY batch utility stops processing and issues a return code of 8.

**User response**
Correctly specify an existing application or examine the CICS system log to determine the reason for the removal of the application.

**Module:** DFHDPOLEY

**Destination**
SYSPRINT

**DFHRL2080 E**  
CSDGROUP and RESGROUP parameters are mutually exclusive.

**Explanation**
The CSDGROUP and RESGROUP parameters cannot be specified on a command at the same time.

**System action**
The DFHDPOLEY batch utility stops processing and issues a return code of 12.

**User response**
Remove either the CSDGROUP or RESGROUP parameter from the command.

**Module:** DFHDPOLEY

**Destination**
SYSPRINT

---

Chapter 2. CICS messages 1549
Application application name version version number in platform targetplatform does not exist.

**Explanation**
During an UNDEPLOY command the application could not be found in the specified platform.

**System action**
The DFHDPOLOY batch utility continues to run.

**User response**
None.

**Module:** DFHDPOLOY

**Destination**
SYSPRINT

---

Bundle bundle name in scope targetscope does not exist.

**Explanation**
During an UNDEPLOY command the bundle could not be found in the specified scope.

**System action**
The DFHDPOLOY batch utility continues to run.

**User response**
None.

**Module:** DFHDPOLOY

**Destination**
SYSPRINT

---

Transition to state target state cannot complete because bundle bundle name in scope targetscope cannot be found.

**Explanation**
The bundle could not be set to the specified state because it could not be found in the scope. It may have been removed by another process or user.

**System action**
The DFHDPOLOY batch utility continues to run.

**User response**
Examine the DFHDPOLOY log for further information on the warnings that were issued.

**Module:** DFHDPOLOY

**Destination**
SYSPRINT

---

DEPLOY command completed with warnings.

**Explanation**
The DEPLOY command has completed but warning messages have been issued.

**System action**
The DFHDPOLOY batch utility continues to run.

**User response**
Examine the DFHDPOLOY log for further information on the warnings that were issued.

**Module:** DFHDPOLOY

**Destination**
SYSPRINT

---

SET command completed with warnings.

**Explanation**
The SET command has completed but warning messages have been issued.

**System action**
The DFHDPOLOY batch utility continues to run.

**User response**
Examine the DFHDPOLOY log for further information on the warnings that were issued.

**Module:** DFHDPOLOY
**Destination**

**SYSPRINT**

**DFHRL2087 I**  UNDEPLOY command completed with warnings.

**Explanation**

The UNDEPLOY command has completed but warning messages have been issued.

**System action**

The DFHDPOLEY batch utility continues to run.

**User response**

Examine the DFHDPOLEY log for further information on the warnings that were issued.

**Module:**

DFHDPOLEY

**Destination**

**SYSPRINT**

**DFHRL2088 E**  Scope cannot be a CICSplex.

**Explanation**

The SCOPE parameter specified on the command cannot have a value of the same name as a CICSplex.

**System action**

The DFHDPOLEY batch utility stops processing and issues a return code of 12.

**User response**

Specify a value for SCOPE that relates to a specific region, or group of regions, within the CICSplex.

**Module:**

DFHDPOLEY

**Destination**

**SYSPRINT**

**DFHRL2089 I**  No active tasks found for application applicationname version versionnumber.

**Explanation**

All active tasks belonging to the specified application have now completed.

**System action**

The DFHDPOLEY batch utility continues to run.
User response
None.

Module: DFHDPLOY

Destination
SYSPRINT

DFHRL2092 I Application application name version version number found on platform target platform.

Explanation
The application specified on the UNDEPLOY command was successfully found on the given platform.

System action
The DFHDPLOY batch utility continues to run.

User response
None.

Module: DFHDPLOY

Destination
SYSPRINT

DFHRL2093 I Bundle bundle name found in scope target scope.

Explanation
The bundle specified on the UNDEPLOY command was successfully found within the given scope.

System action
The DFHDPLOY batch utility continues to run.

User response
None.

Module: DFHDPLOY

Destination
SYSPRINT

DFHRL2094 I Application operation application operation name has task count tasks still to complete for application application name version version number.

Explanation
The application still has active tasks to complete.

System action
The DFHDPLOY batch utility continues to run.

User response
None.

Module: DFHDPLOY

Destination
SYSPRINT

DFHRL2095 E Bundle bundle name in scope target scope does not exist.

Explanation
The command cannot complete because the bundle could not be found in the scope specified on the command.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
None.

Module: DFHDPLOY

Destination
SYSPRINT

DFHRL2096 E Processing of application application name cannot continue because the CICSPlex SM API has timed out the request.

Explanation
The time taken to process the request has exceeded the time specified by the TOBATCHREQ parameter on the CMAS processing the request.

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System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Contact your system administrator.

Module: DFHDPLOY

Destination
SYSPRINT

DFHRL2097 E Processing of bundle bundlename cannot continue because the CICSPlex SM API has timed out the request.

Explanation
The time taken to process the request has exceeded the time specified by the TOBATCHREQ parameter on the CMAS processing the request.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Contact your system administrator.

Module: DFHDPLOY

Destination
SYSPRINT

DFHRL2098 E Unable to perform commandname command due to security restriction for the current userid.

Explanation
The command could not be processed because the user ID that is running DFHDPLOY does not have the correct level of authority.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Contact your system administrator.

Module: DFHDPLOY

Destination
SYSPRINT

DFHRL2099 S Unable to contact CMAS running this command. No further processing is possible.

Explanation
The CMAS that was processing the commands from DFHDPLOY is no longer active.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Contact your system administrator.

Module: DFHDPLOY

Destination
SYSPRINT

DFHRL2100 S An internal error has occurred. No further processing is possible.

Explanation
An internal CICSPlex SM API error has occurred.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Contact IBM support.

Module: DFHDPLOY

Destination
SYSPRINT
DFHRL2101 E  Bundle *bundlename* already has a definition on the CSD in CSD group *CSDgroup*.

**Explanation**
A bundle of the same name as the BUNDLE parameter is currently defined to the CSD.

**System action**
The DFHDPLY batch utility stops processing and issues a return code of 8.

**User response**
Either use a different name for the bundle or remove the existing bundle from the CSD.

**Module:** DFHDPLY

**Destination**
SYSPRINT

DFHRL2102 E  Bundle *bundlename* cannot be deployed because the resource group name contains invalid characters.

**Explanation**
The deployment cannot continue because the value specified by the RESGROUP parameter contains invalid characters.

**System action**
The DFHDPLY batch utility stops processing and issues a return code of 8.

**User response**
Correct the RESGROUP parameter value.

**Module:** DFHDPLY

**Destination**
SYSPRINT

DFHRL2106 E  Bundle *bundlename* cannot be deployed because bundle directory *bundledir* does not exist.

**Explanation**
The deployment cannot continue because the bundle directory specified by the BUNDDIR parameter does not exist.

**System action**
The DFHDPLY batch utility stops processing and issues a return code of 8.

**User response**
Specify the correct bundle directory in the BUNDDIR parameter.

**Module:** DFHDPLY

**Destination**
SYSPRINT

DFHRL2107 E  Bundle *bundle name* cannot be deployed to scope *targetscope* because a bundle of the same name has already been installed.

**Explanation**
The deployment cannot continue because a bundle of the same name is currently installed in the specified scope.
**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**User response**
Either specify a new scope or remove the existing bundles from the currently specified scope.

**Module:**
DFHDPOLOY

**Destination**
SYSPRINT

**Explanation**
The deploy cannot continue because the bundle could only be deployed to part of the specified scope as it is already installed in one or more systems.

**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**User response**
Either specify a new scope or remove the existing bundle definitions from the current scope.

**Module:**
DFHDPOLOY

**Destination**
SYSPRINT

**Explanation**
The bundle definition could not be removed because it does not exist.

**System action**
The DFHDPOLOY batch utility continues to run.

**User response**
None.

**Module:**
DFHDPOLOY

**Destination**
SYSPRINT

**Explanation**
The bundle definition for bundle `bundlename` in CSD group `CSDgroupname` does not exist in system `targetsystem`.

**System action**
The DFHDPOLOY batch utility continues to run.

**User response**
None.

**Module:**
DFHDPOLOY
DFHRL2113 I BUNDLE definition(bundledefinitionname) version(versionnumber) in resource group(resourcegroupname) has been removed.

Explanation
The bundle definition has been removed successfully.

System action
The DFHDPLOY batch utility continues to run.

User response
None.

Module:
DFHDPLOY

DFHRL2114 I Bundle definition for bundle(bundlename) in CSD group(CSDgroupname) has been removed from system(targetsystem).

Explanation
The bundle definition has been removed.

System action
The DFHDPLOY batch utility continues to run.

User response
None.

Module:
DFHDPLOY

DFHRL2116 E Bundle bundlename could not be installed into scope targetscope. There are no systems available in the scope.

Explanation
The bundle could not be installed into the scope specified by the SCOPE parameter because it does not contain any active CICS systems.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Set the bundle to ENABLED before attempting to make it AVAILABLE.

Module:
DFHDPLOY

DFHRL2117 W Application applicationname cannot be set to targetstate because it contains no bundles.

Explanation
The state of the application cannot be changed because it does not contain any bundles.

System action
The DFHDPLOY batch utility continues to run.
User response
None.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2118 E Bundle bundlename cannot be set to targetstate on one or more CICS regions because it contains UNUSABLE parts.

Explanation
The state of the bundle cannot be changed because there are parts of the bundle that are in an UNUSABLE state.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
The bundle should be disabled and discarded.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2119 I Connection to CMAS CMASname successful.

Explanation
DFHDPLOY has successfully connected to the CMAS specified by the CMAS parameter on the SET CICSPLEX command.

System action
The DFHDPLOY batch utility continues to run.

User response
None.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2120 S DFHDPLOY is unable to connect to CMAS CMASname because an active CMAS at version versionnumber cannot be found.

Explanation
An active CMAS running at the specified CICS version could not be found.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 12.

User response
Contact your system administrator or specify a different CMAS.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2121 S CMAS CMASname is a CICSpex and not a valid CMAS name.

Explanation
The value of the CMAS parameter on the SET CICSPLEX command is a CICSpex name and is not a valid CMAS name.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 12.

User response
Correct the value of the CMAS parameter.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2122 I Waiting for tasks associated with application applicationname version versionnumber to complete.
Explanation
Waiting for tasks associated with the application to complete.

System action
The DFHDPOLEY batch utility continues to run.

User response
None.

Module:
DFHDPOLEY

Destination
SYSPRINT

DFHRL2123 E  Bundle bundlename could not be defined on the CSD. There are no systems available in the scope.

Explanation
The scope specified by the SCOPE parameter on the DEPLOY BUNDLE command does not contain any active CICS systems.

System action
The DFHDPOLEY batch utility stops processing and issues a return code of 8.

User response
Contact your system administrator or specify a different scope.

Module:
DFHDPOLEY

Destination
SYSPRINT

DFHRL2124 W  BUNDLE(bundlename) contains UNUSABLE parts.

Explanation
Some resources defined in the bundle could not be created.

System action
Processing continues.

User response
Examine the bundle parts for the bundle and the CICS system logs to determine why some of the bundle is unusable.

Module:
DFHDPOLEY

Destination
SYSPRINT

DFHRL2125 E  SYSIN could not be read from the USS file at filename.

Explanation
A valid DFHDPOLEY script could not be found in USS at the location specified in the message.

System action
The DFHDPOLEY batch utility stops processing and issues a return code of 12.

User response
Specify a location on USS that contains a valid deploy script.

Module:
DFHDPOLEY

Destination
SYSPRINT

DFHRL2126 E  BUNDLE PHASEIN is not supported in CICSplex(CICSplexname).

Explanation
A bundle PHASEIN was attempted at a CICS TS version of 5.2 or below. PHASEIN is only supported at CICS TS version 5.3

System action
The DFHDPOLEY batch utility stops processing and issues a return code of 8.

User response
Modify the DFHDPOLEY script so that it does not attempt a PHASEIN at CICS TS 5.2 or below.

Module:
DFHDPOLEY
DFHRL2127 I DFHDPLOY starting PHASEIN of BUNDLE(bundlename) in regions where bundle is ENABLED in SCOPE(targetscope).

Explanation
A PHASEIN action is being performed on all enabled bundles in the scope.

System action
Processing continues.

User response
None.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2128 E DFHDPLOY cannot PHASEIN BUNDLE(bundlename) in SCOPE(targetscope), it is not enabled.

Explanation
A PHASEIN could not be performed as the bundle is not enabled in any systems in the scope.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
None.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2130 I BUNDLE(bundlename) installed in installcountofregioncountin SCOPE(targetscope).

Explanation
This shows the current number of systems in the scope that have installed the bundle.

System action
Processing continues.

User response
None.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2131 I Waiting for BUNDLE(bundlename) to be installed in active regions in SCOPE(targetscope).

Explanation
DFHDPLOY is waiting for the bundle install action to complete.

System action
Processing continues.

User response
None.
When the CSDGROUP parameter is specified in a DEPLOY BUNDLE script, DFHDPLY analyzes all CICS regions specified by the SCOPE option and determines the minimum set of CSD groups which require a bundle definition added to them.

**System action**
Processing continues.

**User response**
None.

**Module:** DFHDPLY

---

**Explanation**
DFHDPLY issued a CICSPlex SM API command which failed internally.

**System action**
The DFHDPLY batch utility stops processing and issues a return code of 8.

**User response**
Correct the state of the resource and resubmit the DFHDPLY command.

**Module:** DFHDPLY

---

**Explanation**
The command entered specifies the SCOPE parameter and it is not required for this command.

**System action**
The DFHDPLY batch utility stops processing and issues a return code of 8.

**User response**
Correct the failing command with a valid resource and/or action.

**Module:** DFHDPLY
User response
Remove the STATE parameter from the command in the script and resubmit the DFHDPOLEY job.

Module:
DFHDPOLEY

Destination
SYSPRINT

DFHRL2140 I  PERFORM command completed successfully.

Explanation
The PERFORM command has completed successfully.

System action
The DFHDPOLEY batch utility continues to run.

User response
None.

Module:
DFHDPOLEY

Destination
SYSPRINT

DFHRL2144 E  Unable to open USS file filename. ERRNO=errno ERRNOJR=errnojr.

Explanation
DFHDPOLEY failed when attempting to access the named file. The returned error number and reason identify the type of failure.

System action
The DFHDPOLEY batch utility stops processing and issues a return code of 8.

User response
Determine why DFHDPOLEY failed using information from the zOS Knowledge Center. Resolve the issue, then resubmit the DFHDPOLEY script.

Module:
DFHDPOLEY

Destination
SYSPRINT

DFHRL2149 E  command resource (resourcename )actionname failed in region (region ) . CICS returned RESP(resp ) RESP2(resp2 ).

Explanation
DFHDPOLEY attempted to perform the named action against the resource in the region specified and it failed. The RESP and RESP2 values returned are shown.

System action
The DFHDPOLEY batch utility stops processing and issues a return code of 8.

User response
Determine the error condition from the Knowledge Centre and take appropriate action before resubmitting the DFHDPOLEY JCL.

Module:
DFHDPOLEY

Destination
SYSPRINT

DFHRL2150 S  The CICSPlex SM API sub task is not active.
Explanation
DFHDploy attempted to connect to the CICSPlex SM API and it failed.

System action
The DFHDploy batch utility stops processing and issues a return code of 8.

User response
Determine the error condition from the CMAS joblog on the same LPAR and take appropriate action before resubmitting the DFHDploy JCL.

Module
DFHDploy

Destination
SYSPRINT

DFHRL2151 S The connected CMAS is not available for API processing.

Explanation
DFHDploy connected to the CMAS and failed to complete API processing as expected.

System action
The DFHDploy batch utility stops processing and issues a return code of 8.

User response
Review the joblog of the connecting CMAS for more error information and take appropriate action before resubmitting the DFHDploy JCL.

Module
DFHDploy

Destination
SYSPRINT

DFHRL2153 S No CICSPlex SM systems are available to connect to.

Explanation
DFHDploy attempted to connect to CICSPlex SM and no systems are available.

System action
The DFHDploy batch utility stops processing and issues a return code of 8.

User response
Review the CICSPlex SM systems availability on the LPAR and take appropriate action before resubmitting the DFHDploy JCL.

Module
DFHDploy

Destination
SYSPRINT

DFHRL2154 S The CONNECT process failed with reason of reas.

Explanation
DFHDploy attempted to connect to the CMAS and an unknown error reason has been returned.

System action
The DFHDploy batch utility stops processing and issues a return code of 8.

User response
Contact your IBM support center.
Module: DFHDPLOY

Destination SYSPRINT

DFHRL2155 S Unable to CONNECT at Version version.

Explanation DFHDPLOY attempted to connect to the CICSPlex SM API and it failed.

System action The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response Determine the error condition from the CMAS joblog on the same LPAR and take appropriate action before resubmitting the DFHDPLOY JCL.

Module: DFHDPLOY

Destination SYSPRINT

DFHRL2156 S The API control subtask is not active, unable to continue processing.

Explanation DFHDPLOY attempted to connect to the CICSPlex SM API and it failed.

System action The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response Determine the error condition from the CMAS joblog on the same LPAR and take appropriate action before resubmitting the DFHDPLOY JCL.

Module: DFHDPLOY

Destination SYSPRINT

DFHRL2157 S The CMAS is not available for API processing.

Explanation DFHDPLOY attempted to connect to the CICSPlex SM API and it failed.

System action The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response Determine the error condition from the CMAS joblog on the same LPAR and take appropriate action before resubmitting the DFHDPLOY JCL.

Module: DFHDPLOY

Destination SYSPRINT

DFHRL2158 S The CMAS to which the processing thread is currently connected does not participate in managing the specified CICSpex and no other CMAS is available that does manage the CICSpex.

Explanation DFHDPLOY attempted to connect to the CICSPlex SM API and it failed.

System action The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response Determine the error condition from the CMAS joblog on the same LPAR and take appropriate action before resubmitting the DFHDPLOY JCL.

Module: DFHDPLOY

Destination SYSPRINT

DFHRL2159 S Unable to CONNECT, the API stub program could not load the API service module.
**Explanation**
DFHDPLOY attempted to connect to the CICSPlex SM API and it failed.

**System action**
The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**
Determine the error condition from the CMAS joblog on the same LPAR and take appropriate action before resubmitting the DFHDPLOY JCL.

**Module:** DFHDPLOY

**Destination**
SYSPRINT

**DFHRL2160 S** Unable to CONNECT, the API stub program could not obtain storage.

**Explanation**
DFHDPLOY attempted to connect to the CICSPlex SM API and it failed.

**System action**
The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**
Determine the error condition from the CMAS joblog on the same LPAR and take appropriate action before resubmitting the DFHDPLOY JCL.

**Module:** DFHDPLOY

**Destination**
SYSPRINT

**DFHRL2162 S** Unable to CONNECT, command processing abended.

**Explanation**
DFHDPLOY attempted to connect to the CICSPlex SM API and it failed.

**System action**
The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**
Determine the error condition from the CMAS joblog on the same LPAR and take appropriate action before resubmitting the DFHDPLOY JCL.

**Module:** DFHDPLOY

**Destination**
SYSPRINT

**DFHRL2162 S** Unable to CONNECT, command processing encountered an exceptional condition.

**Explanation**
DFHDPLOY attempted to connect to the CICSPlex SM API and it failed.

**System action**
The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**
Determine the error condition from the CMAS joblog on the same LPAR and take appropriate action before resubmitting the DFHDPLOY JCL.

**Module:** DFHDPLOY

**Destination**
SYSPRINT

**DFHRL2163 S** Unable to CONNECT, a required resource that is owned by the CMAS is not available.
User response
Determine the error condition from the CMAS joblog on the same LPAR and take appropriate action before resubmitting the DFHDPOLOY JCL.

Module:
DFHDPOLOY

Destination
SYSPRINT

DFHRL2164 S  Unable to CONNECT, an invalid parameter was detected. The parameter that is invalid is parameter.

Explanation
DFHDPOLOY attempted to connect to the CICSPlex SM API and it failed.

System action
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

User response
Determine the error condition from the CMAS joblog on the same LPAR and take appropriate action before resubmitting the DFHDPOLOY JCL.

Module:
DFHDPOLOY

Destination
SYSPRINT

DFHRL2165 S  Unable to CONNECT, the connected CMAS is no longer active.

Explanation
DFHDPOLOY attempted to connect to the CICSPlex SM API and it failed.

System action
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

User response
Determine the error condition from the CMAS joblog on the same LPAR and take appropriate action before resubmitting the DFHDPOLOY JCL.

Module:
DFHDPOLOY

Destination
SYSPRINT

DFHRL2166 S  Unable to CONNECT, the version of the API stub program is not supported.

Explanation
DFHDPOLOY attempted to connect to the CICSPlex SM API and it failed.

System action
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

User response
Determine the error condition from the CMAS joblog on the same LPAR and take appropriate action before resubmitting the DFHDPOLOY JCL.

Module:
DFHDPOLOY

Destination
SYSPRINT

DFHRL2167 S  Unable to CONNECT, the version of the API stub program has changed.

Explanation
DFHDPOLOY attempted to connect to the CICSPlex SM API and it failed.

System action
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

User response
Determine the error condition from the CMAS joblog on the same LPAR and take appropriate action before resubmitting the DFHDPOLOY JCL.
**DFHRL2168 E**  SET PROGRAM(*programname*)
PHASEIN failed in region(*region*).
Program not found or Program autoinstall is not active.

**Explanation**
DFHDploy attempted to PHASEIN a program which is not found in the region.

**System action**
The DFHDploy batch utility stops processing and issues a return code of 8.

**User response**
Determine why the program was not found and take appropriate action before resubmitting the DFHDploy JCL.

**Module:**
DFHDploy

**Destination**
SYSPRINT

**DFHRL2169 I**  SET resource(*resourcename*) action was skipped in region(*region*).
PROGRAM autoinstall is active.

**Explanation**
DFHDploy attempted to perform the action against the resource specified and it was skipped due to program autoinstall being enabled in the region.

**System action**
The DFHDploy batch utility continues processing and issues a return code of 4.

**User response**
Determine that the action is expected for the resource identified.

**Module:**
DFHDploy

**Destination**
SYSPRINT

**DFHRL2170 I**  SET resource(*resourcename*) action was successful in region(*region*).

**Explanation**
DFHDploy successfully performed the identified action against the specified resource in the region.

**System action**
The DFHDploy batch utility continues.

**User response**
None.

**Module:**
DFHDploy

**Destination**
SYSPRINT

**DFHRL2171 I**  SET PROGRAM(*programname*)
PHASEIN failed in region(*region*).
Program is REMOTE.

**Explanation**
DFHDploy attempted to PHASEIN a program which is installed as REMOTE.

**System action**
The DFHDploy batch utility continues processing and issues a return code of 4.

**User response**
None.

**Module:**
DFHDploy

**Destination**
SYSPRINT

**DFHRL2200 E**  An internal error has occurred. No further processing is possible.

**Explanation**
An internal CICSplex SM API error has occurred during Application definition FEEDBACK processing.

**System action**
The DFHDploy batch utility stops processing and issues a return code of 8.
User response
Contact IBM support.

Module:
DFHDPLY

Destination
SYSPRINT
DFHRL2201 E Unable to install Application applicationname. It is already installed.

Explanation
An application with the same name as the value specified by the APPLICATION parameter is currently installed.

System action
The DFHDPLY batch utility stops processing and issues a return code of 8.

User response
Either remove the existing application, or specify a different value for the APPLICATION parameter, and run the command again.

Module:
DFHDPLY

Destination
SYSPRINT
DFHRL2202 E Invalid resource type.

Explanation
The resource type associated with the Application definition is invalid.

System action
The DFHDPLY batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDPLY troubleshooting page in the CICS Knowledge Center. If you are unable to solve the problem, contact your IBM support center.

Module:
DFHDPLY

Destination
SYSPRINT
DFHRL2203 E Unable to install Application applicationname. CICS application definition not found.

Explanation
Another user or process has removed the application definition being used by the current command.

System action
The DFHDPLY batch utility stops processing and issues a return code of 8.

User response
Check the CICS system log to determine the reason for the removal and if necessary run the command again.

Module:
DFHDPLY

Destination
SYSPRINT
DFHRL2204 E Unable to install Application applicationname. Attribute data invalid.

Explanation
An attribute in either the command, application bundle, or application binding contains an invalid value.

System action
The DFHDPLY batch utility stops processing and issues a return code of 8.

User response
Review the DFHDPLY and CICS system logs to determine which value is invalid and correct it.

Module:
DFHDPLY

Destination
SYSPRINT
DFHRL2205 E Unable to install Application applicationname. CICSplex not found.
**Explanation**
The CICSplex which manages the platform on which the application is being installed is not available.

**System action**
The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHDPLOY

**Destination**
SYSPRINT

<table>
<thead>
<tr>
<th>Module</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFHRL2206 E</td>
<td>Unable to install Application applicationname. Invalid application record.</td>
</tr>
</tbody>
</table>

**Explanation**
An internal error has occurred in DFHDPLOY.

**System action**
The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHDPLOY

**Destination**
SYSPRINT

<table>
<thead>
<tr>
<th>Module</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFHRL2207 E</td>
<td>Unable to install Application applicationname. Invalid application action.</td>
</tr>
</tbody>
</table>

**Explanation**
The value specified in the APPLICATION parameter is invalid.

**System action**
The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**
Correct the value specified in the APPLICATION parameter.

**Module:**
DFHDPLOY

**Destination**
SYSPRINT

<table>
<thead>
<tr>
<th>Module</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFHRL2208 E</td>
<td>Unable to install Application applicationname. Invalid CICS application definition name.</td>
</tr>
</tbody>
</table>

**Explanation**
The command cannot complete because some of the bundles in the application could not be installed.

**System action**
The DFHDPLOY batch utility stops processing and issues a return code of 8.
User response
Review the CICS system log to determine why some of the bundles have not been installed.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2210 E Unable to install Application applicationname. CICS Bundles were not installed in any regions.

Explanation
The command cannot complete because the bundles in the application could not be installed.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Review the CICS system log to determine why the bundles have not been installed.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2211 E Unable to install Application applicationname. User ID not authorized to access zFS file.

Explanation
The user ID running DFHDPLOY does not have the correct authority to access a file specified by either the APPLDIR or BINDDIR parameter.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Review the CICS system log to determine why the bundles have not been installed.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2212 E Application or binding bundle file not found.

Explanation
A valid file could not be found in the directory specified by the APPLDIR or BINDDIR parameter.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Ensure the APPLDIR and BINDDIR parameters are pointing at valid application and application bindings.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2213 E Unable to install Application applicationname. Invalid XML in application or binding bundle.

Explanation
The application bundle specified by the APPLDIR parameter or the application binding specified by the BINDDIR parameter is invalid.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Ensure the APPLDIR and BINDDIR parameters are pointing at valid application and application bindings.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2214 E Platform targetplatform not found.
Explanation
The platform specified in the application binding is not currently installed.

System action
The DFHDPLY batch utility stops processing and issues a return code of 8.

User response
Ensure the platform is installed or correct the platform name in the application binding.

Module: DFHDPLY

Destination
SYSPRINT

DFHRL2215 E Unable to install Application applicationname. Invalid resource type.

Explanation
An internal error has occurred in DFHDPLY.

System action
The DFHDPLY batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDPLY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHDPLY

Destination
SYSPRINT

DFHRL2216 E Unable to install Application applicationname. Invalid platform definition name.

Explanation
The value of the PLATFORM parameter of the command contains an invalid value.

System action
The DFHDPLY batch utility stops processing and issues a return code of 8.

User response
Correct the value of the PLATFORM parameter.

Module: DFHDPLY

Destination
SYSPRINT

DFHRL2217 E Unable to install Application applicationname. Invalid major version.

Explanation
The major version specified in the application bundle or VERSION parameter contains an invalid value.

System action
The DFHDPLY batch utility stops processing and issues a return code of 8.

User response
Correct the major version number in the application bundle or VERSION parameter.

Module: DFHDPLY

Destination
SYSPRINT

DFHRL2218 E Unable to install Application applicationname. Invalid minor version.

Explanation
The minor version specified in the application bundle or VERSION parameter contains an invalid value.

System action
The DFHDPLY batch utility stops processing and issues a return code of 8.

User response
Correct the minor version number in the application bundle or VERSION parameter.
Module: DFHDPOLE

Destination SYSPRINT

DFHRL2219 E Unable to install Application applicationname. Invalid micro version.

Explanation
The micro version specified in the application bundle or VERSION parameter contains an invalid value.

System action
The DFHDPOLE batch utility stops processing and issues a return code of 8.

User response
Correct the micro version number in the application bundle or VERSION parameter.

Module: DFHDPOLE

Destination SYSPRINT

DFHRL2221 E Unable to install Application applicationname already exists. Command cannot continue.

Explanation
The command cannot complete because an application of the same name already exists.

System action
The DFHDPOLE batch utility stops processing and issues a return code of 8.

User response
Run the command again using a different application name or remove the existing application definition.

Module: DFHDPOLE

Destination SYSPRINT

DFHRL2220 E Unable to install Application applicationname. CICS application definition and application versions differ.

Explanation
An internal error has occurred in DFHDPOLE.

System action
The DFHDPOLE batch utility stops processing and issues a return code of 8.

User response
Correct the error in the application bundle or the application binding and run the command again.

Module: DFHDPOLE

Destination SYSPRINT

DFHRL2222 E Unable to install Application applicationname. A region type in the binding could not be found.

Explanation
A region type could not be found in the application binding.

System action
The DFHDPOLE batch utility stops processing and issues a return code of 8.

User response
Correct the error in the application bundle or the application binding and run the command again.

Module: DFHDPOLE

Destination SYSPRINT

DFHRL2223 E Unable to install Application applicationname. Resource definition already changed.
**Explanation**
Another user has modified the application definition before the current changes to the definition have been committed.

**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**User response**
Review the changes to the application definition and, if appropriate, run the command again.

**Module:**
DFHDPOLOY

**Destination**
SYSPRINT

**DFHRL2224 E**  Unable to install Application applicationname. Install failed.

**Explanation**
The application could not be installed.

**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**User response**
Run the command again once the application finishes processing the current action.

**Module:**
DFHDPOLOY

**Destination**
SYSPRINT

**DFHRL2225 E**  Application applicationname not found.

**Explanation**
The application was removed before the command completed.

**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**User response**
Review the CICS system log to determine the reason the application was removed.

**Module:**
DFHDPOLOY
Unable to disable Application applicationname. CICS bundles were not disabled in some regions.

Explanation
The command cannot complete because some bundles in the application are not in a disabled state.

System action
The DFHDPELOY batch utility stops processing and issues a return code of 8.

User response
Review the CICS system log to determine why some bundles are not in a disabled state.

Module:
DFHDPELOY

Destination
SYSPRINT

Unable to discard Application applicationname. CICS bundles were not discarded in some regions.

Explanation
The command cannot complete because no bundles in the application could be discarded.

System action
The DFHDPELOY batch utility stops processing and issues a return code of 8.

User response
Review the CICS system log to determine why no bundles were discarded.

Module:
DFHDPELOY

Destination
SYSPRINT

Unable to enable Application applicationname. CICS bundles were not enabled in some regions.

Explanation
The command cannot complete because some bundles in the application are not in an enabled state.

System action
The DFHDPELOY batch utility stops processing and issues a return code of 8.

User response
Review the CICS system log to determine why some bundles are not in an enabled state.

Module:
DFHDPELOY

Destination
SYSPRINT

Unable to discard Application applicationname. CICS bundles were not discarded in any regions.

Explanation
The command cannot complete because no bundles in the application were not discarded.

System action
The DFHDPELOY batch utility stops processing and issues a return code of 8.

User response
Review the CICS system log to determine why some bundles were not discarded.

Module:
DFHDPELOY

Destination
SYSPRINT

Unable to enable Application applicationname. CICS bundles were not enabled in any regions.

Explanation
The command cannot complete because no bundles in the application are in an enabled state.
System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Review the CICS system log to determine why no bundles are in an enabled state.
Module: DFHDPLOY
Destination
SYSPRINT
DFHRL2257 E Unable to disable Application applicationname. CICS bundles were not disabled in any regions.

Explanation
The command cannot complete because no bundles in the application are in a disabled state.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Review the CICS system log to determine why no bundles are in a disabled state.
Module: DFHDPLOY
Destination
SYSPRINT
DFHRL2258 E Application applicationname cannot change state to applicationstate. The application status is changing due to another action or event.

Explanation
The application is currently changing its state due to the actions of another action or event.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Run the command again once the application has finished changing state.
Module: DFHDPLOY
Destination
SYSPRINT
DFHRL2259 E Performing action action on Application applicationname has encountered an error. The application is not in a DISABLED state.

Explanation
The command cannot complete because the application is not currently in a disabled state.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Review the DFHDPLOY and CICS system logs to determine why the application is not in a disabled state.
Module: DFHDPLOY
Destination
SYSPRINT
DFHRL2260 E Performing action action on Application applicationname has encountered an error. Application is busy processing another action.

Explanation
The command cannot complete because the application is currently processing another action.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Run the command again once the application finishes processing the current action.
Performing action action on Application applicationname has encountered an error. CICS bundles were not made available in any regions.

**Explanation**

The command cannot complete because no bundles in the application are in an available state.

**System action**

The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**

Review the CICS system log to determine why no bundles are in an available state.

---

Performing action action on Application applicationname has encountered an error. CICS bundles were not made available in some regions.

**Explanation**

The command cannot complete because some bundles in the application are not in an available state.

**System action**

The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**

Review the CICS system log to determine why some bundles are not in an available state.

---

Performing action action on Application applicationname has encountered an error. CICS bundles were not made unavailable in any regions.

**Explanation**

The command cannot complete because no bundles in the application are in an unavailable state.

**System action**

The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**

Review the CICS system log to determine why no bundles are in an unavailable state.

---

Performing action action on Application applicationname has encountered an error. CICS bundles were not made unavailable in some regions.

**Explanation**

The command cannot complete because some bundles in the application are not in an unavailable state.

**System action**

The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**

Review the CICS system log to determine why some bundles are not in an unavailable state.
<table>
<thead>
<tr>
<th>Code</th>
<th>Message</th>
<th>Explanation</th>
<th>System action</th>
<th>User response</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFHRL2265 E</td>
<td>Performing action <strong>action</strong> on Application <strong>applicationname</strong> has encountered an error. The application is still available.</td>
<td>The command cannot complete because the application is not currently in an unavailable state.</td>
<td>The DFHDuales utility stops processing and issues a return code of 8.</td>
<td>Review the DFHDuales and CICS system logs to determine why the application is not in an unavailable state.</td>
</tr>
<tr>
<td></td>
<td><strong>Explanation</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DFHRL2266 E</td>
<td>Performing action <strong>action</strong> on Application <strong>applicationname</strong> has encountered an error. The application is not in an ENABLED state.</td>
<td>The command cannot complete because the application is not currently in an enabled state.</td>
<td>The DFHDuales utility stops processing and issues a return code of 8.</td>
<td>Review the DFHDuales and CICS system logs to determine why the application is not in an enabled state.</td>
</tr>
<tr>
<td></td>
<td><strong>Explanation</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DFHRL2301 E</td>
<td>Bundle <strong>bundlename</strong> cannot be deployed because the following attributes contain invalid characters: <strong>invalidattributes</strong>.</td>
<td>One or more parameters specified on the command contain invalid characters.</td>
<td>The DFHDuales utility stops processing and issues a return code of 8.</td>
<td>Correct the parameters that contain invalid characters and run the command again.</td>
</tr>
<tr>
<td></td>
<td><strong>Explanation</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DFHRL2302 E</td>
<td>Unable to install Bundle <strong>bundlename</strong>. The bundle definition was not found.</td>
<td></td>
<td></td>
<td>Another user or process has deleted the bundle before the command has finished.</td>
</tr>
<tr>
<td></td>
<td><strong>Explanation</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**User response**
Determine the cause of the bundle removal and run the command again.

**Module:** DFHDPOLOY

**Destination**
SYSPRINT

**DFHRL2304 E** Unable to install Bundle *bundlename*. A bundle with the same name already exists.

**Explanation**
An internal error has occurred in DFHDPOLOY.

**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**User response**
Review the changes to the bundle definition and, if appropriate, run the command again.

**Module:** DFHDPOLOY

**Destination**
SYSPRINT

**DFHRL2305 E** Unable to install Bundle *bundlename*. The definition has been changed by another process.

**Explanation**
Another user has modified the bundle definition before the current changes to the definition have been committed.

**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**DFHRL2306 E** Unable to install Bundle *bundlename*. Invalid resource type.

**Explanation**
An internal error has occurred in DFHDPOLOY.

**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**User response**
Refer to the DFHDPOLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHDPOLOY

**Destination**
SYSPRINT

**DFHRL2307 E** Unable to install Bundle *bundlename*. The definition version limit has been reached.

**Explanation**
A maximum of 15 bundle definitions of the same name can be defined. This limit has been reached and further bundle definitions of the same name cannot be created.

**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.
User response
Determine why there is more than one bundle of the same name defined. Either delete existing bundles or use a different name for the bundle you wish to deploy.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2308 E Unable to install Bundle bundlename. The bundle name contains invalid characters.

Explanation
The bundle name contains one or more invalid characters.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Correct the bundle name and run the command again.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2311 E Unable to install Bundle bundlename. The Maintenance point CMAS is not available.

Explanation
The maintenance point CMAS responsible for managing the CICSplex is not active or cannot be contacted.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Contact your System Administrator.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2312 E Unable to install Bundle bundlename. Context not found.

Explanation
An internal error has occurred in DFHDPLOY.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2313 E Unable to install Bundle bundlename. Inconsistent set condition.

Explanation
An internal error has occurred in DFHDPLOY.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDPLOY

Destination
SYSPRINT
DFHRL2314 E Unable to install Bundle bundlename. Resource group not found.

Explanation
The resource group specified in the RESGROUP parameter has been deleted before DFHDploy can add the Bundle definition to it.

System action
The DFHDploy batch utility stops processing and issues a return code of 8.

User response
Resubmit the DFHDploy script to recreate the resource group.

Module: DFHDploy

Destination SYSPRINT

DFHRL2321 E Unable to install Bundle bundlename. Invalid action.

Explanation
An internal error has occurred in DFHDploy.

System action
The DFHDploy batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDploy troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHDploy

Destination SYSPRINT

DFHRL2323 E Unable to install Bundle bundlename. Invalid record address.

Explanation
An internal error has occurred in DFHDploy.

System action
The DFHDploy batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDploy troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHDploy

Destination SYSPRINT

DFHRL2324 E Deployment of bundle bundlename cannot continue because a bundle of the same name is already associated with resource group resourcegroupname.
Explanation
The resource group specified on the DEPLOY BUNDLE command already contains a bundle with a name that matches the one specified on the command.

System action
The DFHDploy batch utility stops processing and issues a return code of 8.

User response
Determine the reason why a bundle with a matching name already exists in the resource group. Either remove the existing bundle, specify a different resource group, or change the name of the bundle specified on the command.

Module: DFHDploy

Destination
SYSPRINT

DFHRL2327 E Unable to install Bundle bundlename. Invalid bundle name.

Explanation
An internal error has occurred in DFHDploy.

System action
The DFHDploy batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDploy troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHDploy

Destination
SYSPRINT

DFHRL2328 E Unable to install Bundle bundlename. Invalid minor name.

Explanation
An internal error has occurred in DFHDploy.

System action
The DFHDploy batch utility stops processing and issues a return code of 8.

User response
Review and correct the bundle name.

Module: DFHDploy

Destination
SYSPRINT

DFHRL2329 E Unable to install Bundle bundlename. Invalid name list.

Explanation
An internal error has occurred in DFHDploy.

System action
The DFHDploy batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDploy troubleshooting page in the IBM Knowledge Center. If you need further assistance
from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDPLOY

**Destination**
SYSPRINT

**DFHRL2329 E**  Unable to install Bundle *bundlename*. Notify.

**Explanation**
An internal error has occurred in DFHDPLOY.

**System action**
The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDPLOY

**Destination**
SYSPRINT

**DFHRL2330 E**  Bundle *bundlename* is only partially installed.

**Explanation**
Some of the resources contained in the bundle could not be installed.

**System action**
The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**
Review the DFHDPLOY and CICS system logs to determine the cause of the failure.

Module:
DFHDPLOY

**Destination**
SYSPRINT

**DFHRL2331 E**  Unable to install Bundle *bundlename* did not install any resources.

**Explanation**
None of the resources contained in the bundle could be installed.

**System action**
The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**
Review the DFHDPLOY and CICS system logs to determine the cause of the failure.

Module:
DFHDPLOY

**Destination**
SYSPRINT

**DFHRL2332 E**  Unable to install Bundle *bundlename*. No targets.

**Explanation**
An internal error has occurred in DFHDPLOY.

**System action**
The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDPLOY

**Destination**
SYSPRINT

**DFHRL2333 E**  Unable to install Bundle *bundlename*. No related systems.
Explanation
An internal error has occurred in DFHDPOLOY.

System action
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDPOLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDPOLOY

Destination
SYSPRINT

DFHRL2334 E  The SCOPE scopename is invalid or cannot be found in CICSPLEX( CICSp lexname).

Explanation
The specified scope is either invalid or cannot be found.

System action
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

User response
Correct the scope and rerun the DFHDPOLOY script. If the problem persists, refer to the DFHDPOLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDPOLOY

Destination
SYSPRINT

DFHRL2335 E  Unable to install Bundle bundlename. Invalid related scope.

Explanation
A n internal error has occurred in DFHDPOLOY.

User response
Refer to the DFHDPOLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDPOLOY

Destination
SYSPRINT

DFHRL2336 E  Unable to install Bundle bundlename. Invalid usage.

Explanation
An internal error has occurred in DFHDPOLOY.

System action
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDPOLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDPOLOY

Destination
SYSPRINT

DFHRL2337 E  Unable to install Bundle bundlename. Invalid mode.

Explanation
An internal error has occurred in DFHDPOLOY.
**System action**
The DFHDploy batch utility stops processing and issues a return code of 8.

**User response**
Refer to the DFHDploy troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHDploy

**Destination**
SYSPRINT

**DFHRL2338 E** Unable to install Bundle `bundlename`. Invalid state check.

**Explanation**
An internal error has occurred in DFHDploy.

**System action**
The DFHDploy batch utility stops processing and issues a return code of 8.

**User response**
Refer to the DFHDploy troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHDploy

**Destination**
SYSPRINT

**DFHRL2339 E** Unable to install Bundle `bundlename`. Invalid force install.

**Explanation**
An internal error has occurred in DFHDploy.

**System action**
The DFHDploy batch utility stops processing and issues a return code of 8.

**User response**
Refer to the DFHDploy troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHDploy

**Destination**
SYSPRINT

**DFHRL2340 E** Unable to install Bundle `bundlename`. Invalid notify.

**Explanation**
An internal error has occurred in DFHDploy.

**System action**
The DFHDploy batch utility stops processing and issues a return code of 8.

**User response**
Refer to the DFHDploy troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHDploy

**Destination**
SYSPRINT

**DFHRL2341 E** Unable to install Bundle `bundlename`. Invalid over type.

**Explanation**
An internal error has occurred in DFHDploy.

**System action**
The DFHDploy batch utility stops processing and issues a return code of 8.

**User response**
Refer to the DFHDploy troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.
IBM to solve your problem for guidance on how to proceed.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2342 E Unable to install Bundle bundlename. Invalid override block.

Explanation
An internal error has occurred in DFHDPLOY.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2343 E Unable to install Bundle bundlename. Invalid override string.

Explanation
An internal error has occurred in DFHDPLOY.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2344 E Unable to install Bundle bundlename. Invalid string term.

Explanation
An internal error has occurred in DFHDPLOY.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2345 E Unable to install Bundle bundlename. Invalid embedded terminator.

Explanation
An internal error has occurred in DFHDPLOY.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDPLOY
DFHRL2346 E Unable to install Bundle bundlename. Invalid attribute.

Explanation
An internal error has occurred in DFHDPLOY.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHDPLOY

Destination SYSPRINT

DFHRL2347 E Unable to install Bundle bundlename. Invalid literal.

Explanation
An internal error has occurred in DFHDPLOY.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHDPLOY

Destination SYSPRINT

DFHRL2348 E Unable to install Bundle bundlename. Invalid override string.

Explanation
An internal error has occurred in DFHDPLOY.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHDPLOY

Destination SYSPRINT

DFHRL2349 E Unable to install Bundle bundlename. Scope required.

Explanation
An internal error has occurred in DFHDPLOY.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHDPLOY

Destination SYSPRINT

DFHRL2350 E Unable to install Bundle bundlename. Usage conflict.

Explanation
An internal error has occurred in DFHDPLOY.
System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2351 E Unable to install Bundle bundlename. No definitions selected.

Explanation
An internal error has occurred in DFHDPLOY.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2353 E Unable to install Bundle bundlename. Missing related system identifier.

Explanation
An internal error has occurred in DFHDPLOY.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2354 E Unable to install Bundle bundlename. Scope conflict.

Explanation
An internal error has occurred in DFHDPLOY.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.
Module: DFHDPLOY

Destination
SYSPRINT

DFHRL2355 E Unable to install Bundle *bundlename*. Bundle name is invalid, the bundle already exists, or the CSD is read only.

Explanation
The command has failed because either the bundle name contains invalid characters, a bundle of the same name already exists, or the CSD has been set to read only.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Review the bundle name and the CICS system to determine the cause of the failure.

Module: DFHDPLOY

Destination
SYSPRINT

DFHRL2356 E Bundle *bundlename* cannot be deployed because the CSDGROUP name contains invalid characters.

Explanation
The value specified in the CSDGROUP parameter contains invalid characters.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Specify a value for the CSDGROUP parameter that does not contain invalid characters.

Module: DFHDPLOY

Destination
SYSPRINT

DFHRL2357 E Processing of Bundle *bundlename* cannot continue. The bundle definition could not be removed.

Explanation
The bundle definition record could not be removed.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Check the CICS system log to determine the cause of the failure. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHDPLOY

Destination
SYSPRINT

DFHRL2358 E Unable to install Bundle *bundlename*. Invalid resource.

Explanation
An internal error has occurred in DFHDPLOY.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHDPLOY

Destination
SYSPRINT
DFHRL2359 E  Unable to install Bundle  
bundlename. Invalid CICS restype.

Explanation
An internal error has occurred in DFHDploy.

System action
The DFHDploy batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDploy troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHDploy

Destination
SYSPRINT

DFHRL2360 E  Unable to install Bundle  
bundlename. Partial action.

Explanation
An internal error has occurred in DFHDploy.

System action
The DFHDploy batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDploy troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHDploy

Destination
SYSPRINT

DFHRL2361 E  Unable to install Bundle  
bundlename. Nothing actioned.

Explanation
An internal error has occurred in DFHDploy.

System action
The DFHDploy batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDploy troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHDploy

Destination
SYSPRINT

DFHRL2362 E  Unable to install Bundle  
bundlename. TO_CSDGROUP and  
AS_RESOURCE are mutually exclusive.

Explanation
An internal error has occurred in DFHDploy.

System action
The DFHDploy batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDploy troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHDploy

Destination
SYSPRINT

DFHRL2363 E  Unable to install Bundle  
bundlename. Either TO_CSDGROUP  
or ASRESOURCE is required.

Explanation
An internal error has occurred in DFHDploy.
**System action**
The DFHDПLOY batch utility stops processing and issues a return code of 8.

**User response**
Refer to the DFHDПLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHDПLOY

**Destination**
SYSPRINT

**DFHRL2364 E**  Bundle **bundlename** cannot be deployed because an error has occurred when trying to access the CSD.

**Explanation**
DFHDПLOY was attempting to create a bundle definition on the CSD when it encountered an error.

**System action**
The DFHDПLOY batch utility stops processing and issues a return code of 8.

**User response**
Examine the CICS system log to determine the reason CSD access has failed.

**Module:**
DFHDПLOY

**Destination**
SYSPRINT

**DFHRL2400 E**  Performing action **action** on Bundle **bundle name** has encountered an error. The bundle is in an invalid state.

**Explanation**
An internal CICSplex SM API error has occurred during Bundle FEEDBACK processing.

**System action**
The DFHDПLOY batch utility stops processing and issues a return code of 8.

**User response**
Check the current state of the bundle and the CICS system log to determine the cause of the failure. If
you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHDPOLOY

**Destination**
SYSPRINT

DFHRL2407 E Processing of Bundle *bundlename* cannot continue. CICS failed to link to the registered bundle callback program.

**Explanation**
The bundle uses a callback program to manage the creation of a user-defined resource type. The bundle SET process failed to link to the program registered in the bundle.

**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**User response**
Determine the state of the callback program or correct the registered program in the bundle.

**Module:** DFHDPOLOY

**Destination**
SYSPRINT

DFHRL2409 E Processing of Bundle *bundlename* cannot continue. The bundle resource cannot be enabled.

**Explanation**
The status of the bundle could not be set to ENABLED.

**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**User response**
Determine the state of the callback program or correct the registered program in the bundle.

**Module:** DFHDPOLOY

**Destination**
SYSPRINT

DFHRL2410 E >Performing action action on Bundle *bundlename* has encountered an error. The bundle contains no entry points.

**Explanation**
The availability status of a bundle can only be set when the bundle contains an entry point. A bundle that does not have an entry point will have an availability status of NONE.

**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**User response**
None.

**Module:** DFHDPOLOY

**Destination**
SYSPRINT

DFHRL2411 E Bundle *bundlename* could not be made available because the bundle is not enabled.

**Explanation**
If a bundle does not have a status of ENABLED it cannot be made available. The bundle must first be set to ENABLED before it can be made available.

**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**User response**
Ensure the bundle has been ENABLED before attempting to make it available.
DFHRL2412 E  Processing of Bundle *bundlename* cannot continue. The availability of the bundle cannot be set.

**Explanation**
The availability status of the bundle could not be set.

**System action**
The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**
Check the CICS system log for additional diagnostic information. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHDPLOY

---

DFHRL2413 E  Bundle *bundlename* could not be disabled as the bundle is currently available.

**Explanation**
If a bundle does not have an availability status of UNAVAILABLE or NONE it cannot be disabled. The bundle must first be made UNAVAILABLE before it can be disabled.

**System action**
The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**
Ensure the bundle has been made UNAVAILABLE before attempting to disable it.

**Module:**
DFHDPLOY

---

DFHRL2414 E  Processing of Bundle *bundlename* cannot continue. An invalid CVDA value was specified for AVAILSTATUS.

**Explanation**
An internal error has occurred in DFHDPLOY.

**System action**
The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHDPLOY

---

DFHRL2415 E  Processing of Bundle *bundlename* cannot continue. Both ENABLESTATUS and AVAILSTATUS were specified on the command.

**Explanation**
An internal error has occurred in DFHDPLOY.

**System action**
The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHDPLOY

---

DFHRL2416 E  DFHDPLOY cannot PHASEIN Bundle *bundlename* in all

**Explanation**
An internal error has occurred in DFHDPLOY.

**System action**
The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHDPLOY
Explanation
An attempt was made to PHASEIN a bundle, but the bundle was not enabled in all regions that were part of the specified scope. The bundle must be in an ENABLED state, or PHASEIN fails.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8. The PHASEIN command has been issued to all regions in the requested SCOPE, but no further commands will be issued.

User response
Make sure the bundle has been installed into active CICS region in the scope before attempting the PHASEIN.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2417 E  Processing of Bundle *bundlename* cannot continue. Both COPY and AVAILSTATUS or ENABLESTATUS specified on the same command.

Explanation
An internal error has occurred in DFHDPLOY.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2419 E  Processing of Bundle *bundlename* cannot continue. The COPY option is not allowed as the bundle is part of an installed platform or application.

Explanation
An internal error has occurred in DFHDPLOY.

System action
The DFHDPLOY batch utility stops processing and issues a return code of 8.

User response
Refer to the DFHDPLOY troubleshooting page in the IBM Knowledge Center. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHDPLOY

Destination
SYSPRINT

DFHRL2420 E  The PHASEIN of Bundle *bundlename* cannot continue. The
CICS bundle contains no OSGi bundle references.

**Explanation**
A PHASEIN command has been issued against a bundle that does not contain any OSGi bundle references. PHASEIN can only be issued against OSGi bundles.

**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**User response**
None.

**Module:** DFHDPOLOY

**Destination**
SYSPRINT

**Explanation**
The PHASEIN of Bundle *bundlename* has failed.

**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**User response**
None.

**Module:** DFHDPOLOY

**Destination**
SYSPRINT

**Explanation**
An internal CICSPlex SM API error has occurred during DISCARD Bundle FEEDBACK processing.

**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**User response**
Contact IBM support.

**Module:** DFHDPOLOY

**Destination**
SYSPRINT

**Explanation**
The PHASEIN of Bundle *bundlename* has failed.

**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**User response**
None.

**Module:** DFHDPOLOY

**Destination**
SYSPRINT

**Explanation**
An internal CICSPlex SM API error has occurred during DISCARD Bundle FEEDBACK processing.

**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**User response**
None.

**Module:** DFHDPOLOY

**Destination**
SYSPRINT

**Explanation**
An internal CICSPlex SM API error has occurred during DISCARD Bundle FEEDBACK processing.

**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**User response**
None.

**Module:** DFHDPOLOY

**Destination**
SYSPRINT

**Explanation**
An internal CICSPlex SM API error has occurred during DISCARD Bundle FEEDBACK processing.

**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**User response**
None.

**Module:** DFHDPOLOY

**Destination**
SYSPRINT

**Explanation**
An internal CICSPlex SM API error has occurred during DISCARD Bundle FEEDBACK processing.

**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**User response**
None.

**Module:** DFHDPOLOY

**Destination**
SYSPRINT

**Explanation**
An internal CICSPlex SM API error has occurred during DISCARD Bundle FEEDBACK processing.

**System action**
The DFHDPOLOY batch utility stops processing and issues a return code of 8.

**User response**
None.

**Module:** DFHDPOLOY
**User response**

Ensure the bundle is in a disabled state before attempting to discard it.

**Module:** DFHDPLOY

---

**Destination**

**SYSPRINT**

**DFHRL2437 E** Processing of Bundle *bundlename* cannot continue. CICS failed to link to the registered bundle callback program.

**Explanation**

The bundle uses a callback program to manage the creation of a user-defined resource type. The bundle install process failed to link to the program registered in the bundle.

**System action**

The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**

Determine the state of the callback program or correct the registered program in the bundle.

**Module:** DFHDPLOY

---

**Destination**

**SYSPRINT**

**DFHRL2438 E** Unable to discard Bundle *bundlename*. The bundle is part of an installed platform or application.

**Explanation**

The bundle specified on the UNDEPLOY or SET command cannot be discarded because it was installed as part of a platform or application. Bundles that are installed as part of a platform or application can only be discarded by discarding the platform or application they belong to.

**System action**

The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**

None.

**Module:** DFHDPLOY

---

**Destination**

**SYSPRINT**

**DFHRL2450 E** Unable to install Bundle *bundlename*. A bundle of the same name already exists.

**Explanation**

The bundle could not be installed because a bundle of the same name currently exists in the CICS system.

**System action**

The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**

Select a different resource name which is not known to the system. Or, if you want to use the same resource name, you must discard the resource first. The resource may need to be disabled before it can be discarded or updated.

**Module:** DFHDPLOY

---

**Destination**

**SYSPRINT**

**DFHRL2451 E** The resources in Bundle *bundlename* cannot be installed. The bundle manifest is invalid.

**Explanation**

During the installation of the bundle CICS has detected that the manifest file in the META-INF directory of the bundle is not valid.

**System action**

The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**

Provide a valid bundle in the path specified by the BUNDLEDIR parameter.

**Module:**
DFHDPLOY

**Destination**

**SYSPRINT**

DFHRL2452 E  The resources in Bundle  
bundlename cannot be installed.  
The bundle has no manifest.

**Explanation**

During the installation of the bundle CICS has detected  
that it does not contain a manifest file. The META-INF  
directory of the bundle should contain a valid cics.xml  
file.

**System action**

The DFHDPLOY batch utility stops processing and  
issues a return code of 8.

**User response**

Provide a valid bundle in the path specified by the  
BUNDLEDIR parameter.

**Module:**  
DFHDPLOY

---

**Destination**

**SYSPRINT**

DFHRL2453 E  Unable to install Bundle  
bundlename. An unexpected  
resource error occurred.

**Explanation**

The installation of the bundle has failed and CICS has  
not been able to determine the cause.

**System action**

The DFHDPLOY batch utility stops processing and  
issues a return code of 8.

**User response**

Examine the CICS system log for the CICS system to  
try and determine the cause of the failure. If you need  
further assistance from IBM to resolve this problem,  
see Working with IBM to solve your problem for  
guidance on how to proceed.

**Module:**  
DFHDPLOY

---

**Destination**

**SYSPRINT**

DFHRL2454 E  Bundle bundlename could not  
install a resource, as a resource of  
the same name already exists.

**Explanation**

The bundle specified on the DEPLOY BUNDLE  
command could not be installed because a bundle  
of the same name has already been installed on the  
system.

**System action**

The DFHDPLOY batch utility stops processing and  
issues a return code of 8.

**User response**

Select a different resource name which is not known  
to the system. Or, if you want to use the same  
resource name, you must discard the resource first.  
The resource may need to be disabled before it can be  
discarded or updated.

**Module:**  
DFHDPLOY

---

**Destination**

**SYSPRINT**

DFHRL2455 E  Processing of Bundle bundlename  
cannot continue. Unknown  
response code received

**Explanation**

The DFHDPLOY batch utility has received an unknown  
response from CICS.

**System action**

The DFHDPLOY batch utility stops processing and  
issues a return code of 8.

**User response**

Refer to the DFHDPLOY troubleshooting page in the  
IBM Knowledge Center. If you need further assistance  
from IBM to resolve this problem, see Working with  
IBM to solve your problem for guidance on how to  
proceed.

**Module:**  
DFHDPLOY
DFHRL2456 E  Processing of Bundle *bundlename* cannot continue. The CSD cannot be read.

**Explanation**

You do not have the authority to read from the CSD.

**System action**

The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**

Contact your system administrator.

**Module:** DFHDPLOY

---

DFHRL2457 E  Processing of Bundle *bundlename* cannot continue. The CSD is read only.

**Explanation**

The CSD has been defined to allow read only access. It is not possible to create bundle resources on the CSD.

**System action**

The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**

Contact your system administrator.

**Module:** DFHDPLOY

---

DFHRL2458 E  Processing of Bundle *bundlename* cannot continue. The CSD is full.

**Explanation**

The CSD data set cannot store additional bundle resources because it has reached its storage allocation limit.

**System action**

The DFHDPLOY batch utility stops processing and issues a return code of 8.

**User response**

Contact your system administrator.

**Module:** DFHDPLOY
User response
Contact your system administrator.

Module: DFHDPLY

Destination SYSPRINT

DFHRL2461 E BUNDLE bundlename cannot be deployed to SCOPE scope as a bundle of the same name already exists in CSDGROUP csdgroup on System systemname.

Explanation
A bundle with the same name as specified on the DEPLOY BUNDLE command already exists in the group specified by the CSDGROUP parameter.

System action
The DFHDPLY batch utility stops processing and issues a return code of 8.

User response
Use a different bundle name or group name.

Module: DFHDPLY

Destination SYSPRINT

DFHRL2462 E Processing of Bundle bundlename cannot continue. The specified group did not exist but because a list of the same name is already present in the CSD, the group could not be created.

Explanation
The CSDGROUP value specified on the DEPLOY BUNDLE command is the same as the name of a LIST

System action
The DFHDPLY batch utility stops processing and issues a return code of 8.

User response
Update the GROUP value to use valid characters only.

Module: DFHDPLY

Destination SYSPRINT

DFHRMnnnn messages

DFHRM0001 applid An abend (code code) has occurred at offset X'offset' in module module.

Explanation
An unexpected program check or abend occurred with abend code aaa/bbbb.

The program status word (PSW) at the time of the program check or abend indicated that CICS was executing at offset X'offset' in module modname. This
may have been caused by corruption of CICS code or control blocks.

System action

A system dump is taken and the system attempts to continue operation unless otherwise directed by entries in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Investigate the cause of the program check or abend using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

If you cannot resolve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHRMCD, DFHRMCD1, DFHRMCD2, DFHRMC12, DFHRMC13, DFHRMC14, DFHRMDM, DFHRMLKO, DFHRMLK1, DFHRMLK2, DFHRMLK3, DFHRMLK5, DFHRML1D, DFHRMLN, DFHRMR, DFHRMLSF, DFHRMLSP, DFHRMLSD, DFHRMLSO, DFHRMLSS, DFHRMLSU, DFHRMNM, DFHRMNM1, DFHRMNS, DFHRMNS2, DFHRMOTI, DFHRMRO, DFHRMROV, DFHRMRO1, DFHRMRO1, DFHRMROU, DFHRMRO2, DFHRMRO3, DFHRMRO4, DFHRMRO1D, DFHRMR1E, DFHRMR1K, DFHRMR1S, DFHRML, DFHRMLSL, DFHRMLSL, DFHRMLSLD, DFHRMLSV, DFHRMLSL, DFHRMLSL, DFHRMLSL3, DFHRMLSL4, DFHRMLSL5, DFHRMLSL6, DFHRMLSL7, DFHRMST, DFHRMST1, DFHRMUT, DFHRMUT1, DFHRMUB, DFHRMUB1, DFHRMUE, DFHRMUE1, DFHRMUW, DFHRMUW1, DFHRMUW2, DFHRMUW3, DFHRMU1C, DFHRMU1D, DFHRMU1E, DFHRMU1F, DFHRMU1G, DFHRMU1H, DFHRMU1K, DFHRMU1N, DFHRMU1R, DFHRMU1S, DFHRMU1U, DFHRMU1V, DFHRMU2A, DFHRMU2B, DFHRU1P, DFHRUXNE, DFHRUXN2, DFHRUXN4, DFHRUXN5

XMEOUT parameters/Message inserts

1. applid
2. code
3. X‘offset’
4. module

Destination

Console

DFHRM0002  APPLID A severe error (code X’code’) has occurred in module module.

Explanation

The recovery manager domain has received an unexpected error response from some other part of CICS. The operation requested by recovery manager is described by code X’code’.

For further information about CICS exception trace entries, refer to the Troubleshooting and support.

System action

A system dump is taken and the system attempts to continue operation unless specifically inhibited by dump table entries.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Investigate the cause of the problem as follows:
1. Determine if the problem can be explained by any previous messages issued from some other CICS component.
2. Examine the symptom string.
3. Examine the dump.

If you cannot resolve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHRMDM, DFHRMCD1, DFHRMCD, DFHRMC12, DFHRMC13

XMEOUT parameters/Message inserts

1. APPLID
2. X‘code’
3. module

Destination

Console

DFHRM0100  APPLID Global catalog data set is not initialized for this release of CICS.
**Explanation**

The recovery manager domain initialization module, DFHRMDM, has detected that the global catalog data set was not initialized with the current release's version of the DFHRMUTL utility program. A valid global catalog is essential for CICS to initialize correctly.

**System action**

A system dump is taken, unless you have specifically suppressed dumps in the dump table. This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

**User response**

Initialize the global catalog data set using the version of DFHRMUTL for this release.

**Module:** DFHRMDM

**XMEOUT parameters/Message inserts**

1. **APPLID**

**Destination**

Console

**DFHRM0104**

*date time applid* Intersystem communication failure. Resource updates are being committed. Local resources may be out of sync with those on the remote system. Failure date *mm/dd/yy* failure time *hh:mm:ss* remote system *name* transaction *tranid* task number *trannum* terminal *termid* user *userid* network UOW *netuowid* local UOW *X'localuowid'*.  

**Explanation**

Communication with the remote system has been interrupted. The remote system contains the coordinator of this unit of work and the notification of the outcome of the distributed unit of work has not been received.

The unit of work is unilaterally committing the local resource updates rather than waiting for the return of the coordinator system. The unit of work may not shunt for one of the following reasons:

- The transaction definition specifies WAIT(NO).

- The unit of work includes an MRO session to a back-level CICS system which does not support the WAIT(YES) option, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.

- The unit of work includes an LU6.1 session, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.

- The unit of work involves a task related user exit which is not enabled with the INDOUBTWAIT option.

- The unit of work has updated a recoverable transient data destination, which is defined with WAIT(NO).

- The unit of work involves the installation of CICS resource definitions from the CSD (CICS system definition) file.

Even if the unit of work was shunted, one of the following reasons will cause it to take unilateral action:

- The WAITTIME specified in the transaction definition has expired.

- Resynchronization has been preempted by either:
  - Setting the connection with the remote system NOTPENDING.
  - Setting the connection with the remote system NORECOVDATA.
  - The XLNACTION attribute of the connection definition of the remote system specifying FORCE.
  - Forcing the unit of work.

The local resource updates are being committed since either:

- The unit of work has been explicitly forced to commit.

- The ACTION attribute of the definition of the locally executing transaction specified COMMIT.

One system may have committed its resource updates and the other backed out, leaving updates out of synchronization. This is checked for when communication is re-established, and one of the following messages is issued:

- DFHRM0110
- DFHRM0111
- DFHRM0112
- DFHRM0113
- DFHRM0114
- DFHRM0115
- DFHRM0116
- DFHRM0117
- DFHRM0118
- DFHRM0119
- DFHRM0120
- DFHRM0121
The original failure information provides correlation between this message and its follow-up.

**System action**
The system commits the local resource updates and releases the locks associated with those updates.

**User response**
Take user-defined action, if any, to protect data integrity until the remote and the local data can be synchronized.

**Module:**
DFHRMLSO

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

**Destination**
CSMT

**Explanation**
Communication with the remote system has been interrupted. The remote system contains the coordinator of this unit of work and the notification of the outcome of the distributed unit of work has not been received.

The unit of work is unilaterally backing out the local resource updates rather than waiting for the return of the coordinator system. The unit of work may not shunt for one of the following reasons:

- The transaction definition specifies WAIT(NO).
- The unit of work includes an MRO session to a back-level CICS system which does not support the WAIT(YES) option, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work includes an LU6.1 session, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work involves a task related user exit which is not enabled with the INDOUBTWAIT option.
- The unit of work involves the installation of CICS resource definitions from the CSD (CICS system definition) file.

Even if the unit of work was shunted, one of the following reasons will cause it to take unilateral action:

- The WAITTIME specified in the transaction definition has expired.
- Resynchronization has been preempted by either:
  - Setting the connection with the remote system NOTPENDING.
  - Setting the connection with the remote system NORECOVDATA.
  - The XLNACTION attribute of the connection definition of the remote system specifying FORCE.
  - Forcing the unit of work.

The local resource updates are being backed out since either

- The unit of work has been explicitly forced to backout.
- The ACTION attribute of the definition of the locally executing transaction specified BACKOUT.

One system might have committed its resource updates and the other backed out, leaving updates out of synchronization. This is checked for when communication is re-established, and one of the following messages is issued:

DFHRM0110
DFHRM0111
DFHRM0112
The original failure information provides correlation between this message and its follow-up.

**System action**
The system backs out the local resource updates and releases the locks associated with those updates.

**User response**
Take user-defined action, if any, to protect data integrity until the remote and the local data can be synchronized.

**Module:** DFHRMLSO

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `mm/dd/yy`
5. `hh:mm:ss`
6. `name`
7. `tranid`
8. `trannum`
9. `termid`
10. `userid`
11. `netuowid`
12. `X'localuowid'`

**Destination**

CSMT

DFHRM0106  

*date time applid*  

Intersystem communication failure. Resource updates will not be committed or backed out until session recovery. Failure date `mm/dd/yy` failure time `hh:mm:ss` remote system

**Explanation**

Communication with the remote system has been interrupted. The remote system that contains the coordinator of this unit of work failed and the notification of the outcome of the distributed unit of work has not been received. The definition of the locally executing transaction specifies WAIT(YES) so the local resource updates are being held locked.

When communication with the remote system is re-established, the resource updates will be committed or backed out, according to the actions of the other system, and one of the following messages is issued:

- DFHRM0108
- DFHRM0109
- DFHRM0112
- DFHRM0113
- DFHRM0115
- DFHRM0116
- DFHRM0118
- DFHRM0119
- DFHRM0121
- DFHRM0122

If the time specified by the WAITTIME in the transaction definition of the locally executing transaction expires before communication is re-established then the resource updates are committed or backed out in accordance with the ACTION attribute and one of the following messages is issued:

- DFHRM0104
- DFHRM0105

If a decision to preempt resynchronization activity is taken at the local system by either:

- Setting the connection with the remote system NOTPENDING.
- Setting the connection with the remote system NORECOVDATA.
- The XLNACTION attribute of the connection definition of the remote system specifying FORCE.
- Forcing the unit of work.

then again the resource updates are committed or backed out accordingly and one of the following messages is issued:

- DFHRM0125
- DFHRM0126
System action
Processing continues. Locks associated with the resource updates are preserved.

User response
Re-establish communication with the remote system as soon as possible.

Module: DFHRMLSS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

Destination
CSMT
DFHRM0107 date time applid Intersystem communication failure. Resource updates may be out of sync. Failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation
Communication with a remote system has been interrupted. This may be due to the failure of a session to a remote system or the failure of a CFDT server system. The resource updates in the local system are committing or backing out. The notification of the outcome of the distributed unit of work might not reach the remote system or server. One system might commit its resource updates while the other backs them out leaving updates out of synchronization. This is checked for at session or server recovery, and one of the following messages is issued:

DFHRM0110
DFHRM0111
DFHRM0114
DFHRM0117
DFHRM0120
DFHRM0123
DFHRM0135

If a decision to preempt resynchronization activity is taken at the local system by either:
• Setting the connection with the remote system NOTPENDING.
• Setting the connection with the remote system NORECOVDATA.
• The XLNACTION attribute of the connection definition of the remote system specifying FORCE.
• Forcing the unit of work.
then again the resource updates are committed or backed out accordingly and DFHRM0127 is issued.

System action
The system commits or backs out the local resource updates and releases the locks associated with those updates. Information is retained to enable resynchronization with the remote system.

User response
Re-establish communication with the remote system as soon as possible.

Module: DFHRMLSO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'
**Destination**

CSMT

DFHRM0108 | date applid
---|---
Intersystem communication recovery. Suspended resource updates now being committed. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

**Explanation**

This message is issued during intersystem communication recovery as a follow up to message DFHRM0106. Communication with the remote system that is the coordinator of this unit of work has been re-established and resynchronization is taking place. It has now been established that the remote system completed the synchronization point. The local resource updates are being committed accordingly.

**System action**

The system commits the local resource updates and releases the locks associated with those updates.

**User response**

None.

**Module:**

DFHRMLN

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

---

DFHRM0109 | date applid
---|---
Intersystem communication recovery. Suspended resource updates now being backed out. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

**Explanation**

This is an informatory message issued during intersystem communication recovery as a follow up to message DFHRM0106. Communication with the remote system that is the coordinator of this unit of work has been re-established and resynchronization is taking place. It has now been established that the remote system did not complete the synchronization point. The local resource updates are being backed out accordingly.

**System action**

The system backs out the local resource updates and releases the locks associated with those updates.

**User response**

If required, restart the interrupted transaction.

**Module:**

DFHRMLN

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'
**Explanation**

Resynchronization with the remote system which is a subordinate in the unit of work has occurred following the resumption of communication, or the unshunting of the unit of work on the local system. It was found either the local or remote system (or both) had already taken a decision for their parts of the distributed unit of work. It has now been established that the decisions in the local and remote systems are synchronized.

**System action**

Processing continues.

**User response**

None

**Module:**

DFHRMLN

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

**Destination**

CSMT

---

**Explanation**

Resynchronization with the remote system which is a subordinate in the unit of work has occurred following the resumption of communication, or the unshunting of the unit of work on the local system. It was found either the local or remote system (or both) had already taken a decision for their part of the distributed unit of work. It has now been established that the decisions of the local and remote systems are out of synchronization.

**System action**

Processing continues.

**User response**

Take user-defined action to resynchronize the resources in the local and remote systems if necessary.

**Module:**

DFHRMLN

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

**Destination**

CSMT
**DFHRM0112**  
*date time applid* Intersystem communication recovery. The remote system has reinitialized. The local unit of work is committed. Original failure date *mm/dd/yy* failure time *hh:mm:ss* remote system *name* transaction *tranid* task number *trannum* terminal *termid* user *userid* network UOW *netuowid* local UOW X'localuowid'.

**Explanation**

Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. It was found that the remote system has reinitialized and now has no knowledge of the unit of work. The resource updates of the distributed unit of work in the remote system might have committed or backed out.

If the session is an MRO session to a pre-CICS Transaction Server system, this message may be issued even if the remote system was not reinitialized. This can only occur if the session failed during its first unit of work since connection.

The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. This will never be received.

The local unit of work is committed in accordance with the ACTION attribute in the transaction definition.

**System action**

The system commits the unit of work and releases the locks associated with any resource updates.

**User response**

Take user-defined action to resynchronize the resources in the local and remote systems if necessary.

**Module:** DFHRMLN

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. mm/dd/yy  
5. hh:mm:ss  
6. name

**DFHRM0113**  
*date time applid* Intersystem communication recovery. The remote system has reinitialized. The local unit of work is backed out. Original failure date *mm/dd/yy* failure time *hh:mm:ss* remote system *name* transaction *tranid* task number *trannum* terminal *termid* user *userid* network UOW *netuowid* local UOW X'localuowid'.

**Explanation**

Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. It was found that the remote system has reinitialized and now has no knowledge of the unit of work. The resource updates of the distributed unit of work in the remote system might have committed or backed out.

If the session is an MRO session to a pre-CICS Transaction Server system, this message may be issued even if the remote system was not reinitialized. This can only occur if the session failed during its first unit of work since connection.

The unit of work in the local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. This will never be received.

The local unit of work is backed out in accordance with the ACTION attribute in the transaction definition.

**System action**

The system backs out the local resource updates and releases the locks associated with those updates.

**User response**

Take user-defined action to resynchronize the resources in the local and remote systems if necessary.
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

Destination
CSMT

DFHRM0114 date time applid Intersystem communication recovery. The remote system has reinitialized. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation
Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. It was found that the remote system has reinitialized and now has no knowledge of the unit of work. The resource updates of the distributed unit of work in the remote system might have committed or backed out. The unit of work in the local system had previously committed or backed out.

System action
Processing continues.

User response
Take user-defined actions to resynchronize resources in local and remote systems if necessary.

Module:
DFHRMLN

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

Destination
CSMT

DFHRM0115 date time applid Intersystem communication recovery. The remote system sent mixed heuristic outcome. Resource updates will be committed. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation
Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. It was found that some resource updates in the distributed unit of work committed and some backed out. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. The notification received does not determine whether to commit or back out the local resource updates. The definition of the locally executing transaction will be used to decide whether to commit or back out the local resource updates. The local resource updates are committed in accordance with the ACTION attribute in the transaction definition.

System action
The system commits the local resource updates and releases the locks associated with those updates.
User response
Take user-defined action to resynchronize the resources in the local and remote systems.

Module:
DFHRMLN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

Destination
CSMT

DFHRM0116 | date time applid Intersystem communication recovery. The remote system sent mixed heuristic outcome. The unit of work will be backed out. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation
Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. It was found that some resource updates in the distributed unit of work committed and some backed out. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. The notification received does not determine whether to commit or back out the resource updates. The local unit of work is backed out in accordance with the ACTION attribute in the transaction definition.

System action
The system backs out the local resource updates and releases the locks associated with those updates.

User response
Take user-defined actions to resynchronize resources in local and remote systems, if necessary.

Module:
DFHRMLN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

Destination
CSMT

DFHRM0117 | date time applid Intersystem communication recovery. The remote system sent mixed heuristic outcome. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation
Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. It was found that some resource updates in the distributed unit of work committed and some backed out. The resource updates in the local system had previously committed or backed out.

System action
Processing continues.
User response
Take user-defined action to resynchronize the resources in the local and remote systems.

Module:
DFHRMLN

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

Destination
CSMT

DFHRM0118  date time applid Intersystem communication recovery. Resynchronization information from the remote system was not sufficient to determine the outcome of the unit of work. Resource updates will be committed. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW uowid local UOW X'localuowid'.

Explanation
Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. The local system was in doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. Information received from the remote system did not determine whether to commit or back out the local resource updates.

The definition of the locally executing transaction is used to decide whether to commit or back out the local resource updates. The local resource updates are committed in accordance with the ACTION attribute in the transaction definition.

System action
The system commits the local resource updates and releases the locks associated with those updates.

User response
Take user-defined actions to resynchronize resources in local and remote systems, if necessary.

Module:
DFHRMLN

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

Destination
CSMT

DFHRM0119  date time applid Intersystem communication recovery. Resynchronization information from the remote system was not sufficient to determine the outcome of the unit of work. Resource updates will be backed out. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation
Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. The local system was in doubt about
the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. Information received from the remote system did not determine whether to commit or back out the resource updates.

The definition of the locally executing transaction is used to decide whether to commit or back out the local resource updates. The local resource updates are backed out in accordance with the ACTION attribute in the transaction definition.

**System action**

The system backs out the local resource updates and releases the locks associated with those updates.

**User response**

Take user-defined action to resynchronize resources in local and remote systems, if necessary.

**Module:**

DFHRMLN

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

**Destination**

CSMT

**DFHRM0120**

*date* *time* *applid* Intersystem communication recovery. Resynchronization information from the remote system was not sufficient to determine the outcome of the unit of work. Original failure date *mm/dd/yy* failure time *hh:mm:ss* remote system *name* transaction *tranid* task number *trannum* terminal

**termid user userid network UOW netuowid local UOW X'localuowid'**

**Explanation**

Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. Information received from the remote system did not determine whether resource updates in the distributed unit of work committed or backed out. The resource updates in the local system had previously committed or backed out. When the remote system is a CFDT server, resource updates will have been consistent although the remote system no longer records which action was taken. The CFDT resource may have been subsequently deleted.

**System action**

Processing continues.

**User response**

Take user-defined action to resynchronize the resources in the local and remote systems. When the remote system is a CFDT server, no further action is required.

**Module:**

DFHRMLN

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

**Destination**

CSMT

**DFHRM0121**

*date* *time* *applid* Intersystem communication recovery. A protocol violation was detected during resynchronization with the remote system. Resource updates
will be committed. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation
Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. The local system detected a protocol violation during resynchronization. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. The local system cannot determine whether to commit or back out the resource updates to be consistent other resource changes in the distributed unit of work. The definition of the locally executing transaction will be used to decide whether to commit or back out the local resource updates. The local resource updates are committed in accordance with the ACTION attribute in the transaction definition.

System action
The system commits the local resource updates and releases the locks associated with those updates.

User response
Take user-defined action to resynchronize the resources in the local and remote systems.

Module:
DFHRMLN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

Destination
CSMT

DFHRM0122 date time applid Intersystem communication recovery. A protocol violation was detected during resynchronization with the remote system. Resource updates will be backed out. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation
Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. The local system detected a protocol violation during resynchronization. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. The local system cannot determine whether to commit or back out the resource updates to be consistent other resource changes in the distributed unit of work. The definition of the locally executing transaction is used to decide whether to commit or back out the local resource updates. The local resource updates are backed out in accordance with the ACTION attribute in the transaction definition.

System action
The system backs out the local resource updates and releases the locks associated with those updates.

User response
Take user-defined action to resynchronize the resources in the local and remote systems.

Module:
DFHRMLN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. The local system detected a protocol violation during resynchronization. The resource updates in the local system had previously committed or backed out.

System action
Processing continues.

User response
Take user-defined action to resynchronize the resources in the local and remote systems.

Module:
DFHRMLN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

Destination
CSMT

DFHRM0123 date time applid Intersystem communication recovery. Resource updates are out of sync. network UOW netuowid remote system name.

Explanation
Intersystem communication recovery is in progress. The remote system has attempted to resynchronize a unit of work but the local system no longer has any knowledge of that unit of work. This is because the last agent or the presumed abort protocol is being used and the local system backed out the resource updates associated with the unit of work. The remote system has sent notification that the resource updates in the remote system did not back out.

System action
Processing continues.

User response
Take user-defined action to resynchronize the resources in the local and remote systems.

Module:
DFHRMLN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netuowid
5. name

Destination
CSMT

DFHRM0125 DATE TIME APPLID Clear pending issued. The connection to the remote system has been set NOTPENDING. Resource updates will be committed. Original failure date mm/dd/yy failure time hh:mm:ss remote system name.
The connection with the remote system has been set NOTPENDING or NORECOVDATA, or the connection is defined with XLNACTION(FORCE). The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. Setting the connection with the remote system NOTPENDING or NORECOVDATA preempts the notification of the outcome from the remote system. The definition of the locally executing transaction is used to decide whether to commit or back out the local resource updates. The local resource updates are committed in accordance with the ACTION attribute in the transaction definition.

System action
The system commits the local resource updates and releases the locks associated with those updates.

User response
Take user-defined action to resynchronize the resources in the local and remote systems.

Module:
DFHRMLN,DFHRMLK4,DFHRMLSO,DFHRMLSS

XMEOUT parameters/Message inserts
1. DATE
2. TIME
3. APPLID
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

Destination
CSMT
DFHRM0126 DATE TIME APPLID Clear pending issued. The connection to the
Explanation
Communication between the systems had previously failed during a syncpoint. Resynchronization between the systems has been preempted. The connection with the remote system has been:

- Set NOTPENDING,
- Set NORECOVDATA,
- Reestablished and is defined with XLNACTION(FORCE).

If the unit of work in the local system was in-doubt about the outcome of the distributed unit of work, local resource updates are committed or backed out in accordance with the ACTION attribute in the transaction definition.

Since no resynchronization with the remote system is attempted, the resource updates in the local and remote systems might be out of synchronization.

System action
Processing continues.

User response
Take user-defined action to resynchronize the resources in the local and remote systems.

Module:
DFHRMLN,DFHRMLK4,DFHRMLSO,DFHRMLSS

XMEOUT parameters/Message inserts

1. DATE
2. TIME
3. APPLID
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

Destination

CSMT

DFHRM0129  date time applid Intersystem communication failure. Resource updates are being backed out. Local resources may be out of sync with those on the remote system. Failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation
Communication with the remote system has failed. The remote system in this case could be another CICS system or an external resource manager. This error can occur with external resource managers connected to CICS through the resource manager interface (RMI) as well as CICS systems connected through LU 6.2, MRO and IPIC.

The resource updates in the local system are backing out. The notification of the outcome of the distributed unit of work might not reach the remote system. One system might commit its resource updates while the other backs them out leaving updates out of synchronization. There will be no resolution message when the local and remote systems resynchronize, because the remote system does not provide the local system with resynchronization information.

System action
The system backs out the local resource updates and releases the locks associated with those updates.

Information is retained to enable resynchronization with the remote system.

User response
Reestablish communication with the remote system as soon as possible. The local system is the coordinator, and will provide indoubt resolution information for the remote system when communication is reestablished. If the remote system has taken a heuristic decision regarding the unit of work, then it should have provided diagnostic information to indicate this.

Module:
DFHRMLSO

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

Destination

CSMT

DFHRM0130  applid Recovery manager has successfully quiesced.

Explanation
The recovery manager has quiesced. The warm keypoint has been taken.

System action
Shutdown continues.

User response
None.

Module:
DFHRMDM
**Explanation**

A unit of work active in the system at shutdown requires resynchronization with the named system. The unit of work was part of a distributed unit of work and resynchronization is necessary to resolve the outcome.

Resynchronization occurs after a subsequent start unless catalog and system log information is reinitialized.

**System action**

Shutdown continues.

**User response**

If necessary, take user-defined action to protect data integrity until the remote and the local data can be synchronized.

**Module:**

DFHRMLKQ, DFHRMNS2

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `protocol`
5. `system`

**Destination**

CSMT

**Explanation**

This system exchanged lognames with the remote system and so may require resynchronization with that system.

Resynchronization occurs after a subsequent CICS start unless catalog or system log information is reinitialized.

**System action**

Shutdown continues.
User response
If necessary, take user-defined action to protect data integrity until resynchronization takes place.

Module:
DFHRMNS2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. protocol
5. system

Destination
CSMT

DFHRM0134 applid Recovery manager domain failed reading the global catalog, or did not find its control record.

Explanation
The recovery manager domain has failed while reading the global catalog. Either it was trying to establish the status of the system at the termination of the last execution of CICS and the control record was missing or invalid, or else it could not read the catalog successfully.

System action
CICS terminates abnormally with a dump.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Investigate the cause of the error using the dump or other diagnostic messages which have been issued (for example, from VSAM or MVS).
If the problem has been caused by an I/O error, see the description of the CICS message already issued from the catalog for guidance.
If the problem has been caused by an invalid data length, see the exception trace entry in the trace table.
If the problem has been caused by a missing control record, the catalog is not suitable for a recoverable start and you should perform an initial start.

Module:
DFHRMDM

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHRM0135 date time applid Intersystem communication recovery. Resource updates found to be synchronized. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation
Resynchronization with the remote system which is a subordinate in the unit of work has occurred following the resumption of communication, or the unshunting of the unit of work on the local system. Either the remote system had already taken a decision for its local resource updates in the distributed unit of work, or the remote system was waiting for the decision from this system. In either case, it has now been established that the resource updates in the local and remote systems are synchronized.

System action
Processing continues.

User response
None

Module:
DFHRMLN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

**Destination**

CSMT

**DFHRM0136** applid The applid has changed from old_applid to new_applid. Recovery cannot continue.

**Explanation**

Recovery is requested, but the applid recovered by the recovery manager domain from the CICS catalog is different from that specified for the system. This implies that the identity of the system on the network has changed. The system must maintain the same identity on the network for resynchronization to be performed with other systems.

**System action**

The system is terminated.

**User response**

If recovery and resynchronization is required, correct the applid in the SIT and restart the system. Do not reinitialize catalog or system log information unless you wish to change the identity of the CICS system.

**Module:** DFHRMDM

**XMEOUT parameters/Message inserts**

1. applid
2. old_applid
3. new_applid

**Destination**

Console

**DFHRM0139** date time applid UOWLINK deleted by user action. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

**Explanation**

This message is issued to confirm the deletion of a UOW-link (UOWLINK) by a CEMT or EXEC CICS SET UOWLINK ACTION(DELETE) command. This command is used to delete links that were created by connections that have since been discarded.

**System action**

The system continues normally.

**User response**

None.

**Module:** DFHRMLN

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid

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10. userid
11. netuowid
12. X’localuowid’

**Destination**

CSMT

**DFHRM0140**  APPLID Recovery manager autostart override found with value: 'autofield'.

**Explanation**

Recovery manager has located an autostart override record in the global catalog data set which has one of the values AUTOINIT, AUTOCOLD, or AUTOASIS.

**System action**

The system continues. If this is an AUTO start, the autostart override value in the message is used to determine the type of start to be performed.

**User response**

No action is necessary.

**Module:**

DFHRMDM

**XMEOUT parameters/Message inserts**

1. APPLID
2. autofield

**Destination**

Console

**DFHRM0141**  APPLID Recovery manager autostart override record is not present. Normal processing continues.

**Explanation**

There is no autostart override record in the global catalog data set. If you have not used the utility DFHRMUTL this message is normal for an AUTO start and does not represent a problem.

**System action**

The default auto start processing continues. This is equivalent to an AUTOASIS value in an autostart override record.

**User response**

No action is necessary.

**Module:**

DFHRMDM

**XMEOUT parameters/Message inserts**

1. APPLID
2. autofield

**Destination**

Console

**DFHRM0142**  APPLID Recovery manager autostart override record found to be: 'autofield', and this is not a valid value. AUTOASIS is assumed instead.

**Explanation**

Recovery manager has located an autostart override record in the global catalog data set which does not have one of the values: AUTOINIT, AUTOCOLD, or AUTOASIS.

**System action**

AUTOASIS is assumed, a dump is taken, and the system continues. The override record will be removed at startup as usual.

**User response**

No action is necessary. To correctly set the autostart override record the utility DFHRMUTL should be used prior to starting CICS.

**Module:**

DFHRMDM

**XMEOUT parameters/Message inserts**

1. APPLID
2. autofield

**Destination**

Console

**DFHRM0143**  APPLID Recovery manager autostart override record is invalid. 'AUTOASIS' is assumed.
Explanation
Recovery manager has found an autostart override record in the global catalog data set, but it has an invalid length or is in the wrong format.

System action
A dump is taken and the system continues. The autostart override value is assumed to be AUTOASIS. The autostart override record is removed from the catalog at startup as usual.

User response
Investigate why the global catalog data set should have been incorrectly modified. The DFHRMUTL utility is used to correctly set the autostart override record prior to starting CICS.

Module:
DFHRMDM

XMEOUT parameters/Message inserts
1. APPLID

Destination
Console

DFHRM0144 applid Recovery manager catalog record indicates that no recovery is possible. An initial start is required.

Explanation
Recovery manager has read its catalog record from the global catalog data set and this indicates that no recovery is possible. The most likely reason is that CICS detected a corrupted log before the last CICS shutdown. Startup cannot continue with these start parameters.

System action
CICS terminates abnormally with a dump. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
This failure is caused by an internal CICS inconsistency. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHRMDM

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHRM0145 applid Recovery manager does not recognize the form of start requested by SIT parameters and overrides.

Explanation
Recovery manager cannot determine what sort of CICS start to perform. The parameters on the SIT and any settings read from the catalog data set are inconsistent with a valid start type.

System action
CICS terminates abnormally with a dump.

User response
Determine whether the CICS startup job correctly identifies the global catalog data set. If it does, the system log may be unusable and you must perform an initial start of CICS.

Module:
DFHRMDM

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHRM0146D applid Global catalog data set recovery data not found. System log data will be lost. Reply GO or CANCEL.

Explanation
A cold start has been requested, and no recovery control record information was found in the global catalog data set.
catalog data set. Either this is the first execution of CICS with this global catalog data set, the wrong global catalog data set is being used, or the global catalog data set has been initialized without information necessary for recovery.

System action
The system waits for a response.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If this is the first time CICS has been run with this global catalog data set, or if it is intended to delete all recovery information from the system log, reply 'GO'. This forces an initial start with no system log information retained from previous CICS executions. In particular, information used to resynchronize with remote CICS systems is cleared as well as all local recovery information.

If this is not the first time, or if you wish to retain system log information and try with another global catalog data set, reply 'CANCEL' to terminate this CICS execution. Nothing is discarded in this case. Check the global catalog data set and try again.

Module: DFHRMDM

XMEOUT parameters/Message inserts
1. applid
2. GO
3. CANCEL

Destination
Console

DFHRM0147 applid Reply CANCEL was received.

Explanation
A reply of 'CANCEL' was received in response to message DFHRM0146.

System action
CICS terminates.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
None.

Module: DFHRMDM

XMEOUT parameters/Message inserts
1. applid

Destination

DFHRM0148 date time applid Intersystem communication recovery. Resource updates are in sync. network UOW id netuowid remote system name.

Explanation
Intersystem communication recovery is in progress. The remote system has attempted to resynchronize a unit of work and the local system no longer has any knowledge of that unit of work. This is because the local system was the coordinator, and the last agent or presumed abort protocols were being used. Any local resource updates associated with the unit of work were backed out. The remote system has sent notification that the resource updates in the remote system are still indoubt (and will be backed out following resynchronization) or have already been backed out.

System action
Processing continues.

User response
None.

Module: DFHRMLN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netuowid
5. name

Destination
CSMT
**DFHRM0149I**  
*APPLID* Recovery manager autostart override record will be deleted.

**Explanation**
Recovery manager has found an autostart override record in the global catalog data set. It is deleted after the correct startup type is determined unless this is a diagnostic run. If this is a diagnostic run the recovery manager global catalog records are not altered.

**System action**
Unless this is a diagnostic run the record is removed from the global catalog data set and will not influence subsequent starts.

**User response**
None.

**Module:**  
DFHRMDM

**XMEOUT parameters/Message inserts**

1. *APPLID*

**Destination**
Console

**DFHRM0151**  
*APPLID* Diagnostic run is initiated. A simulated AUTO start is performed for diagnostic purposes only.

**Explanation**
Recovery manager has detected a diagnostic run override (AUTODIAG) on the global catalog. This run of CICS will not perform any application processing and is for diagnostic purposes only.

**System action**
The system continues. A dump is taken later prior to terminating.

**User response**
No further action is necessary.

**Module:**  
DFHRMDM

**XMEOUT parameters/Message inserts**

1. *APPLID*

**Destination**
Console

**DFHRM0150**  
*APPLID* Diagnostic run due to AUTODIAG override is finished. CICS will now terminate.

**Explanation**
Recovery manager has performed a diagnostic run and now terminates with a dump. This is a result of an AUTODIAG override in the auto override record.

**System action**
The system terminates. A dump is taken.

**User response**
No further action is necessary.

**Module:**  
DFHRMDM

**XMEOUT parameters/Message inserts**

1. *APPLID*

**Destination**
Console

**DFHRM0152**  
*APPLID* Recovery manager autostart override record is set to AUTODIAG.

**Explanation**
The recovery manager auto override record on the global catalog has been set to AUTODIAG to allow a diagnostic run before the next initial start.

**System action**
Processing continues.

**User response**
No action is necessary. See the Troubleshooting and support for information about how to perform a diagnostic run.
Module: DFHRMDM

XMEOUT parameters/Message inserts
1. APPLID

Destination
Console

DFHRM0154 applid Uncommitted local resource updates found on the System Log. COLD start is NOT preserving data integrity.

Explanation
A cold start has been requested, but units of work containing uncommitted local resource updates have been found on the system log. The cold start will ignore this information and so data integrity will not be preserved for the affected resources.

System action
The cold start continues.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response:

Module: DFHRMU1E

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHRM0156 applid This COLD start will NOT cause any damage to local resources.

Explanation
The recovery manager established that there were no uncommitted resource updates recorded on the system log from a previous execution of CICS. Thus there is no local recovery necessary.

System action
System initialization continues.

User response
None.

Module: DFHRMU1E

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHRM0200 applid indoubt_uows indoubt UOWs were reconstructed.

Explanation
This message displays the number of indoubt units of work (UOWs), indoubt_uows, which were reconstructed on a warm or emergency restart.

It is issued only if there is at least one UOW which is indoubt. It is issued before any of the reconstructed UOWs are unshunted and processed in parallel.

System action
The system has performed the backwards scan of the system log and is about to start unshunting UOWs which need further processing.

The system commits or backs out UOWs which were indoubt and for which either of the following conditions apply:

- The transaction is defined with WAIT(NO)
- The transaction is defined with WAIT(YES) and the WAITTIME has expired.

Note: A WAITTIME of zero implies an indefinite wait.

Where communications with the coordinator systems is possible, UOWs are unshunted and updates are committed or backed out on the local system. These updates are synchronized with the updates made on the coordinator system.

Where communications with the coordinator systems is not immediately possible, UOWs are preserved until resynchronization with the coordinator system is possible or until the WAITTIME expires. The suspension of these indoubt UOWs causes updated recoverable resources to remain locked against subsequent updates.

User response
None.
If further investigation is required, use the CEMT INQUIRE UOW INDOUBT and CEMT INQUIRE UOWENQ RETAINED commands once CICS has initialized. These commands detail the indoubt UOWs and the associated retained enqueues.

Module:
DFHRMU1E.

**XMEOUT parameters/Message inserts**

1. **applid**
2. **indoubt_uows**

**Destination**
Console

DFHRM0201  
date time applid bfail_uows  
backout-failed and cfail_uows  
commit-failed UOWs were  
reconstructed. The number  
of UOWs reconstructed to await a  
forget flow for resolution with a  
remote system was forget_uows.

**Explanation**

This message displays the number of backout-failed units of work (UOWs), **bfail_uows**, and the number of commit-failed UOWs, **cfail_uows**, which were reconstructed on a warm or emergency restart. It also displays the number of UOWs awaiting a forget or resolution with a remote system, **forget_uows**.

This message is issued only if there is at least one such UOW. It is issued before any of the reconstructed UOWs are unshunted and processed in parallel.

**Note:**

This message is issued before the commit-failed and backout-failed UOWs are processed. Many of these UOWs are likely to be resolved during CICS initialization. Any true commit-failed or backout-failed UOWs are highlighted by further messages issued during CICS initialization. Also, once CICS is fully initialized, the main terminal transaction (CEMT) can be used to determine whether there are any outstanding commit-failed or backout-failed UOWs.

Any UOWs that had locally committed or backed out and which were still awaiting a forget confirmation from a remote system, are reported for reference.

**System action**

The system has performed the backwards scan of the system log and is about to start unshunting UOWs which need further processing.

**User response**

None.

**Module:**
DFHRMU1E

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **bfail_uows**
5. **cfail_uows**
6. **forget_uows**

**Destination**
CSMT

DFHRM0202  
date time applid inflight_uows  
inflight UOWs were reconstructed.

**Explanation**

This message displays the number of inflight units of work (UOWs), **inflight_uows**, which were reconstructed on an emergency restart.

It is issued only if there is at least one UOW which is inflight. It is issued before any of the reconstructed UOWs are unshunted and processed in parallel.

**System action**

The system has performed the backwards scan of the system log and is about to start unshunting UOWs which need further processing.

**User response**

None.

**Module:**
DFHRMU1E

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **inflight_uows**
Destination
CSMT
DFHRM0203  applid There are indoubt_uows indoubt, cfail_uows commit-failed and bfail_uows backout-failed UOWs.

Explanation
This message displays the numbers of indoubt units of work (UOWs) indoubt_uows, backout-failed UOWs bfail_uows, and commit-failed UOWs cfail_uows in the CICS system at the time of the normal shutdown.

It is issued only if there is at least one such UOW. If there are none, message DFHRM0204 is issued instead.

Messages DFHRM0203 and DFHRM0204 can be used to determine whether or not it is safe to cold start CICS following a normal shutdown without losing resynchronization information. See DFHRM0204 for more information.

System action
Shutdown processing continues.

User response
None.

Module: DFHRMU1K

XMEOUT parameters/Message inserts
1. applid
2. indoubt_uows
3. cfail_uows
4. bfail_uows

Destination
Console
DFHRM0204  applid There are no indoubt, commit-failed or backout-failed UOWs. The number of UOWs awaiting a forget flow for resolution with a remote system was forget_uows.

Explanation
There are no indoubt, commit-failed, or backout-failed units of work (UOWs) in the CICS system at the time of the normal shutdown.

If there are any such units of work, message DFHRM0203 is issued.

Any UOWs that had locally committed or backed out and which were still awaiting a forget confirmation from a remote system, are also reported for reference.

This message indicates that it safe to do a cold (but not initial) start of CICS without losing any resynchronization information.

System action
Shutdown processing continues.

User response
None.

Module: DFHRMU1K

XMEOUT parameters/Message inserts
1. applid
2. forget_uows

Destination
Console
DFHRM0205  date time applid An activity keypoint has been successfully taken.

Explanation
CICS has successfully taken an activity keypoint. This message is also issued for the shutdown keypoint.

System action
Normal processing continues.

User response
None.

Module: DFHRMR1K

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CSMT

DFHRM0206 applid Any recovered units of work are resolved.

Explanation
Any units of work requiring resolution that were found on the system log during recovery are resolved.

This message might also be issued during system restart when no such units of work are found on the system log during recovery.

Be aware that reconstructed units of work that are locally committed or backed out, and awaiting a forget confirmation from a remote system, do not influence when this message is issued.

System action
Processing continues.

User response
None.

Module:
DFHRMSL5, DFHRMU1D, DFHRMU1E

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHRM0208 date time applid Intersystem communication recovery. A unit of work recovered only for remote resynchronization is now being committed. Local resources are not synchronized with the unit of work. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation
This message is issued during intersystem communication recovery as a follow up to message DFHRM0106. Communication with the remote system that is the coordinator of this unit of work has been re-established and resynchronization is taking place. It has now been established that the remote system completed the synchronization point. Since this unit of work was recovered as part of a cold start, no local resources were locked pending this resynchronization and local resources are not synchronized with this decision.

System action
The system allows the unit of work to commit for the purposes of resynchronization with remote systems. No local resources are changed.

User response
None.

Module:
DFHRMLN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

Destination
CSMT

DFHRM0209 date time applid Intersystem communication recovery. A unit of work recovered only for remote resynchronization is now being backed out. Local resources are not synchronized with the unit of work. Original failure date mm/dd/yy failure time hh:mm:ss remote system name
transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation
This message is issued during intersystem communication recovery as a follow up to message DFHRM0106. Communication with the remote system that is the coordinator of this unit of work has been re-established and resynchronization is taking place. It has now been established that the remote system did not complete the synchronization point. Since this unit of work was recovered as part of a cold start, no local resources were locked pending this resynchronization and local resources are not synchronized with this decision.

System action
The system allows the unit of work to back out for resynchronization with remote systems. No local resources are changed.

User response
None.

Module:
DFHRMLN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

Destination
CSMT

DFHRM0212 date time applid Intersystem communication recovery. The remote system has reinitialized. The unit of work is treated as committed. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation
Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. It was found that the remote system has restarted and has no knowledge of the unit of work. The distributed unit of work in the remote system might have committed or backed out.

The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. This will never be received.

Since this unit of work was recovered only for remote resynchronization, no local resources were locked pending this decision and local resources are not synchronized with the distributed unit of work. The unit of work is treated as committed in accordance with the ACTION attribute in the transaction definition.

If communication was via an MRO session to a pre-CICS Transaction Server system, this message may be issued even if the remote system was not restarted. This can only occur if the session failed during its first unit of work since connection.

System action
The system continues. Further remote resynchronization treats this unit of work as committed.

User response
Take user-defined action to resynchronize the resources in the local and remote systems if necessary.

Module:
DFHRMLN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
**Explanation**

Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. It was found that the remote system has restarted and has no knowledge of the unit of work. The distributed unit of work in the remote system might have committed or backed out. Since this unit of work was recovered only for remote resynchronization, no local resources were locked pending this outcome and local resources are not synchronized with the distributed unit of work.

The local unit of work is treated as backed out in accordance with the ACTION attribute in the local transaction definition.

If communication was via an MRO session to a pre-CICS Transaction Server system, this message may be issued even if the remote system was not reinitialized. This can only occur if the session failed during its first UOW since connection.

**System action**

The system continues. Further remote resynchronization treats this unit of work as backed out.
User response
Take user-defined actions to resynchronize resources in local and remote systems if necessary.

Module:
DFHRMLN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

Destination
CSMT

DFHRM0215  date time applid Intersystem communication recovery. The remote system sent mixed heuristic outcome. The unit of work is treated as committed. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation
Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. It was found that some resource updates in the distributed unit of work committed and some backed out. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. The notification received does not determine whether the unit of work should be committed or backed out. The unit of work is treated as committed in accordance with the ACTION attribute in the transaction definition.

Since this unit of work was recovered only for remote resynchronization, no local resources were locked pending this outcome and local resources are not synchronized with this decision.

System action
The system continues. Further remote resynchronization treats this unit of work as committed.

User response
Take user-defined action to resynchronize resources in local and remote systems if necessary.

Module:
DFHRMLN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

Destination
CSMT

DFHRM0216  date time applid Intersystem communication recovery. The remote system sent mixed heuristic outcome. The unit of work is treated as backed out. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation
Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. It was found that some resource updates in the distributed unit of work committed and some backed out. The local system
was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. The notification received does not determine whether to commit or back out the resource updates. The local unit of work is treated as backed out in accordance with the ACTION attribute in the transaction definition.

Since this unit of work was recovered only for remote resynchronization, no local resources were locked pending this decision and local resources are not synchronized with the distributed unit of work.

**System action**
The system continues. Further remote resynchronization treats this unit of work as backed out.

**User response**
Take user-defined actions to resynchronize resources in local and remote systems if necessary.

**Module:**
DFHRMLN

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

**Destination**
CSMT

**Explanation**
Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. Information received from the remote system did not determine whether to commit or back out the unit of work.

The unit of work is committed in accordance with the ACTION attribute in the local transaction definition.

Because this unit of work was recovered only for remote resynchronization, no local resources were locked pending resolution of the unit of work, and local resources are not synchronized with this commit.

Any further remote resynchronization treats this unit of work as committed.

**System action**
The system commits the unit of work for the purposes of remote resynchronization.

**User response**
Take user-defined actions to resynchronize resources in local and remote systems, if necessary.

**Module:**
DFHRMLN

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. uowid
12. X'localuowid'
Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. Information received from the remote system did not determine whether to commit or back out the unit of work.

The unit of work is backed out in accordance with the ACTION attribute in the local transaction definition.

Because this unit of work was recovered only for remote resynchronization, no locks on local resources were held pending resolution of this unit of work, and local resources are not synchronized with this back out.

Any further remote resynchronization treats this unit of work as backed out.

**System action**

The system backs out the unit of work for the purposes of remote resynchronization.

**User response**

Take user-defined action to resynchronize resources in local and remote systems, if necessary.

**Module:** DFHRMLN

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

**Explanation**

Communication with the remote system has been re-established. Resynchronization information from the remote system was not sufficient to determine the outcome of the unit of work. The distributed unit of work is backed out. Local resources are not synchronized. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

Destination

CSMT

DFHRM0221  

date time applid Intersystem communication recovery. A protocol violation was detected during resynchronization with the remote system. The distributed unit of work is treated as committed. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation

Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. The local system detected a protocol violation during resynchronization. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. The local system cannot determine whether the distributed unit of work was committed or backed out. The distributed unit of work is treated as committed in accordance with the ACTION attribute in the local transaction definition.

Since this unit of work was recovered only for remote resynchronization, no local resources were locked pending resolution and no local resources are synchronized with this decision.

Any further remote resynchronization treats this unit of work as committed.

System action

The system continues.

User response

Take user-defined actions to resynchronize resources in local and remote systems if necessary.

Module:
DFHRMLN

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

Destination

CSMT

DFHRM0222  

date time applid Intersystem communication recovery. A protocol violation was detected during resynchronization with the remote system. The distributed unit of work is treated as backed out. Local resources are not synchronized. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation

Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. The local system detected a protocol violation during resynchronization. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system.

Chapter 2. CICS messages 1631
The local system cannot determine whether the distributed unit of work committed or backed out.

The distributed unit of work is treated as backed out in accordance with the ACTION attribute in the transaction definition.

**System action**
The system continues. Any further remote resynchronization treats this unit of work as backed out.

**User response**
Take user-defined action to resynchronize the resources in the local and remote systems if necessary.

**Module:** DFHRMLN

**Explanation**
Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. The local system detected a protocol violation during resynchronization.

Since this unit of work was recovered only for remote resynchronization, local resources are not synchronized and in this case the outcome of the distributed unit of work cannot be determined.

**System action**
Processing continues.

**User response**
Take user-defined actions to resynchronize resources in local and remote systems if necessary.

**Module:** DFHRMLN

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

**Destination**

CSMT

DFHRM0223  

*date time applid* Intersystem communication recovery. A protocol violation was detected during resynchronization with the remote system. Original failure date *mm/dd/yy* failure time *hh:mm:ss* remote system *name* transaction *tranid* task number *trannum* terminal *termid* user *userid* network UOW *netuowid* local UOW X'localuowid'.

**Explanation**
Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. The local system detected a protocol violation during resynchronization.

Since this unit of work was recovered only for remote resynchronization, local resources are not synchronized and in this case the outcome of the distributed unit of work cannot be determined.

**System action**
Processing continues.

**User response**
Take user-defined actions to resynchronize resources in local and remote systems if necessary.

**Module:** DFHRMLN

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

**Destination**

CSMT

DFHRM0225  

*DATE TIME APPLID* Clear pending issued. The connection to the remote system has been set NOTPENDING. The distributed unit of work is treated as committed. Local resources are not synchronized. Original failure date *mm/dd/yy* failure time *hh:mm:ss* remote system *name* transaction *tranid* task number *trannum* terminal *termid* user *userid* network UOW *netuowid* local UOW X'localuowid'.

1632  CICS TS for z/OS: CICS Messages
Explanation

The connection with the remote system has been set NOTPENDING or NORECOVDATA, or the connection is defined with XLNACTION(FORCE). The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. Setting the connection with the remote system NOTPENDING or NORECOVDATA preempts the notification of the outcome from the remote system.

Since this unit of work was recovered only for remote resynchronization, no local resources were locked pending resolution, and local resources are not synchronized with this decision.

The distributed unit of work is treated as committed in accordance with the ACTION attribute in the local transaction definition.

System action

The system continues. Further remote resynchronization treats the unit of work as committed.

User response

Take user-defined actions to resynchronize resources in local and remote systems if necessary.

Module:
DFHRMLK4

XMEOUT parameters/Message inserts

1. **DATE**
2. **TIME**
3. **APPLID**
4. **mm/dd/yy**
5. **hh:mm:ss**
6. **name**
7. **tranid**
8. **trannum**
9. **termid**
10. **userid**
11. **netuowid**
12. **X’localuowid’**

Destination
CSMT

**DFHRM0226** **DATE** **TIME** **APPLID** Clear pending issued. The connection to the remote system has been set NOTPENDING. The distributed unit of work is treated as backed out. Local resources are not synchronized. Original failure date **mm/dd/yy** failure time **hh:mm:ss** remote system name transaction **tranid** task number **trannum** terminal **termid** user **userid** network UOW **netuowid** local UOW **X’localuowid’**.

Explanation

The connection with the remote system has been set NOTPENDING or NORECOVDATA, or the connection is defined with XLNACTION(FORCE). The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. Setting the connection with the remote system NOTPENDING or NORECOVDATA preempts the notification of the outcome from the remote system.

Since this unit of work was recovered only for remote resynchronization, no local resources were locked pending resolution, and local resources are not synchronized with this decision.

The distributed unit of work is treated as backed out in accordance with the ACTION attribute in the local transaction definition.

System action

The system continues. Further remote resynchronization treats this unit of work as backed out.

User response

Take user-defined actions to resynchronize resources in local and remote systems if necessary.

Module:
DFHRMLK4

XMEOUT parameters/Message inserts

1. **DATE**
2. **TIME**
3. **APPLID**
4. **mm/dd/yy**
5. **hh:mm:ss**
6. **name**
7. **tranid**
8. **trannum**
The connection with the remote system has been set NOTPENDING. The unit of work is recorded as committed or backed out, but since this unit of work was recovered only for remote resynchronization, local resources might not be synchronized with this decision.

The local system did not receive acknowledgment that the remote system had received notification of the outcome of the unit of work.

No further resynchronization with this remote system is attempted and the distributed unit of work in the local and remote systems may not be synchronized.

System action
Processing continues.

User response
Take user-defined action to resynchronize resources in local and remote systems if necessary.

Module:
DFHRMLK4

Explanation
This message displays the number of indoubt units of work (UOWs), indoubt_uows, which have been recovered for resynchronization with remote systems. This message is only issued on cold starts. Local resources may not be kept synchronized with remote resources because CICS is cold starting.

It is issued only if there is at least one UOW which is indoubt. It is issued before any of the reconstructed UOWs are unshunted and processed in parallel.

System action
The system has performed the backwards scan of the system log and is about to start unshunting UOWs where resynchronization is possible.

Where communications with the remote system or systems is not immediately possible, UOWs are preserved until resynchronization is possible or until WAITTIME (defined on the transaction definition) expires.

This message is followed by message DFHRM0208 if the UOW has been committed, or by DFHRM0209 if the UOW has been backed out on the remote system or systems.

User response
None.

Module:
DFHRMU1E

XMEOUT parameters/Message inserts
1. applid

Explanation
This message displays the number of indoubt units of work (UOWs), indoubt_uows, which have been recovered for resynchronization with remote systems. Local resources are not synchronized with these UOWs.
2. indoubt_uows

**Destination**

<table>
<thead>
<tr>
<th>Console</th>
</tr>
</thead>
</table>

**DFHRM0229**  
<code>date time applid bfail_uows</code>  
<code>commit-failed and cfail_uows</code>  
backout-failed and <code>commit-failed</code> UOWs have been recovered for the purpose of remote resynchronization. Local resources are not synchronized with these UOWs. The number of UOWs reconstructed to await a forget flow for resolution with a remote system was <code>forget_uows</code>.

**Explanation**

This message displays the number of backout-failed units of work (UOWs), <code>bfail_uows</code>, and the number of commit-failed UOWs, <code>cfail_uows</code>, which have been recovered for resynchronization with remote systems. These UOWs may now be in backout-waiting or commit-waiting states after cold start recovery processing. This message is only issued on cold starts. Local resources may not be kept synchronized with remote resources because CICS is cold starting.

Any UOWs that had locally committed or backed out and which were still awaiting a forget confirmation from a remote system, are reported for reference. The number of such UOWs is <code>forget_uows</code>.

This message is issued only if there is at least one such UOW. It is issued before any of the reconstructed UOWs are processed.

**System action**

The system has performed the backwards scan of the system log and is about to start resynchronization for UOWs that require this.

Where communications with the remote system or systems is not immediately possible, UOWs are preserved until resynchronization is possible or until WAITTIME (defined on the transaction definition) expires.

This message is followed by message DFHRM0208 if the UOW has been committed, or by DFHRM0209 if the UOW has been backed out on the remote system or systems.

**User response**

None.

**Module:**  
DFHRMU1E

---

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. bfail_uows  
5. cfail_uows  
6. forget_uows

**Destination**

<table>
<thead>
<tr>
<th>CSMT</th>
</tr>
</thead>
</table>

**DFHRM0230**  
<code>date time applid inflight_uows</code>  
inflight UOWs have been recovered for the purpose of remote resynchronization. Local resources are not synchronized with these UOWs.

**Explanation**

This message displays the number of inflight units of work (UOWs), <code>inflight_uows</code>, which have been recovered for resynchronization with remote systems. This message is issued only on cold starts. Local resources may not be kept synchronized with remote resources because CICS is cold starting.

It is issued only if there is at least one UOW which is inflight. It is issued before any of the reconstructed UOWs are unshunted and processed in parallel.

**System action**

The system has performed the backwards scan of the system log and is about to start unshunting UOWs where resynchronization is possible.

Where communications with the remote system or systems is not immediately possible, UOWs are preserved until resynchronization is possible or until WAITTIME (defined on the transaction definition) expires.

This message is followed by message DFHRM0208 if the UOW has been committed, or by DFHRM0209 if the UOW has been backed out on the remote system or systems.

**User response**

None.

**Module:**  
DFHRMU1E
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. inflight_uows

Destination
CSMT

DFHRM0235 date time applid Intersystem communication recovery. Local resources are not synchronized. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation
Communication with the remote system that is a subordinate of this unit of work failed and has been re-established. Resynchronization with the remote system has occurred. Either the remote system has already taken a decision for its local resource updates in the distributed unit of work, or the remote system was waiting for the decision from this system. In either case, since this unit of work was recovered only for remote resynchronization, the local resources are not synchronized.

System action
Processing continues.

User response
Take action to resynchronize resources in the local and remote systems, if necessary.

Module:
DFHRMLN

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. name
7. tranid
8. trannum

DFHRM0240 applid Local log name is logname.

Explanation
The local log name is logname.
This log name is used when establishing a connection to a remote system.

System action
Processing continues.

User response
None.

Module:
DFHRMDM

XMEOUT parameters/Message inserts

1. applid
2. logname

Destination
Console

DFHRM0241 date time applid Log name logname has been set for the protocol connection with remote access ID remote_access_id.

Explanation
A log name has been set for an APPC or IRC connection to a remote system.
The remote access ID is the netname of the remote system.

System action
Processing continues.

User response
None.
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. logname
5. protocol
6. remote_access_id

**Destination**

CSMT

**Explanation**

The log name has been deleted for an APPC or IRC connection to a remote system.

The remote access ID is the netname of the remote system.

**System action**

Processing continues.

**User response**

None.

**Module:** DFHRMUTL

**Explanation**

The SYSIN data set for DFHRMUTL contains an unrecognized keyword or a keyword which is used incorrectly.

**System action**

The DFHRMUTL job terminates.

**User response**

Correct the invalid keyword and retry.

**Module:** DFHRMUTL

**Explanation**

CICS has received a request to force purge task taskno. The unit of work, uowid, associated with the target of the force purge request is in a critical phase of syncpoint processing. The target task cannot be purged while it is in this state.

**System action**

CICS attempts to defer the purge until the target task is no longer protected against purge.

If the syncpoint occurs at the end of the task, the task is permanently protected against purge.

**User response**

Normally the task should remain in this critical phase of syncpoint for only a short time. If the target task still has not ended, investigate why unit of work uowid has still to complete syncpoint processing.

See the Troubleshooting and support for guidance about diagnosing task waits.

**Note:**

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:** DFHRMU1N
XMEOUT parameters/Message inserts

1. APPLID
2. tranid
3. taskno
4. X"uwid"

Destination

Console

DFHRM0302    ERROR {OPENING | READING
               | WRITING | CLOSING} THE
               {DFHGCD | NEWGCD} DATA SET
RETURN CODE: X'vsam_retcode',
REASON: X'vsam_reason'.

Explanation

An error occurred when processing a VSAM data set. The VSAM return and reason codes are X'vsam_retcode' and X'vsam_reason'.

System action

The DFHRMUTL job terminates.

User response

Ensure that the data set DD card is properly defined. Look for associated syslog messages to identify the source of the problem.

Module:

DFHRMUTL

Destination

SYSPRINT

DFHRM0304    INVALID OR MISSING
SET_AUTO_START PARAMETER.

Explanation

The SET_AUTO_START parameter in the SYSIN data set for DFHRMUTL is missing or incorrectly specified.

System action

The DFHRMUTL job terminates.

User response

Ensure that the parameter is in the first line of SYSIN, and the keywords are separated by commas without intervening blanks.

Module:

DFHRMUTL

Destination

SYSPRINT

DFHRM0305    SYSIN DATA SET CAN HAVE AT
             MOST ONE RECORD.

Explanation

The SYSIN data set should contain either no records or else a single record specifying the parameters for DFHRMUTL.

System action

The DFHRMUTL job terminates.

User response

Correct the records in the SYSIN data set and retry.

Module:

DFHRMUTL
**DFHRM0306**

**Explanation**
The COLD_COPY keyword has been specified for a global catalog data set which has no recovery manager control information in it. It is not possible to create a reduced new catalog from an empty catalog.

**System action**
The DFHRMUTL job terminates.

**User response**
You should use COLD_COPY only to copy a catalog that has been used by CICS. To initialize a catalog for an initial start, use DFHRMUTL with the SET_AUTO_START=AUTOINIT parameter without attempting to copy it with COLD_COPY.

**Module:** DFHRMUTL

**Destination**
SYSPRINT

**Explanation**
The keyword SET_AUTO_START specified AUTOASIS, but the global catalog supplied in data set DFHGCD has been copied with the DFHRMUTL COLD_COPY function and has not yet been used by CICS. This change is not allowed because the catalog no longer has the necessary records to allow an emergency or warm start.

**System action**
The DFHRMUTL job terminates.

**User response**
If you need to perform an emergency or warm start, use a restored copy of the global catalog taken before the run of DFHRMUTL which performed the COLD_COPY. If you do not need an emergency or warm start, change the parameter to AUTOINIT or AUTOCOLD and retry.

**Module:** DFHRMUTL

**Destination**
SYSPRINT

**DFHRM0309**

**Explanation**
The keyword SET_AUTO_START specified AUTOCOLD or AUTOINIT, but the global catalog supplied in data set DFHGCD has never been used by CICS.

**System action**
The DFHRMUTL job terminates.

**User response**
Change the SET_AUTO_START parameter to AUTOINIT and retry.

**Module:** DFHRMUTL

**Destination**
SYSPRINT

**Explanation**
Keyword 'keyword' has been repeated in the first line of the SYSIN data set for DFHRMUTL.

**System action**
The DFHRMUTL job terminates.

**User response**
Remove the duplicate keyword and retry.

**Module:** DFHRMUTL

**Destination**
SYSPRINT

**DFHRM0311**

**Explanation**
The COLD_COPY keyword is invalid with SET_AUTO_START=AUTOASIS.

**System action**
The DFHRMUTL job terminates.

**User response**
Change the SET_AUTO_START parameter to AUTOASIS and retry.

**Module:** DFHRMUTL
**Explanation**

The input parameters specified keyword COLD_COPY, but also contained SET_AUTO_START=AUTOASIS. This combination is not supported because CICS can only perform a COLD or INITIAL start using a catalog data set that has been cold-copied, because all definitional records have been removed.

**System action**

The DFHRMUTL job terminates.

**User response**

Either specify AUTOCOLD or AUTOINIT as the SET_AUTO_START value, or remove the COLD_COPY keyword and retry.

**Module:** DFHRMUTL

**Destination**

SYSPRINT

**DFHRM0312** AUTODIAG WITH COLD_COPY NOT ALLOWED.

**Explanation**

In the parameters for the DFHRMUTL job the option COLD_COPY was specified with SET_AUTO_START=AUTODIAG. This is not allowed.

**System action**

The DFHRMUTL job terminates.

**User response**

Resubmit the job with the correct parameters.

**Module:** DFHRMUTL

**Destination**

SYSPRINT

**DFHRM0313** AUTODIAG CANNOT BE USED.

**Explanation**

The keyword SET_AUTO_START specified AUTODIAG, but the global catalog supplied in data set DFHGCD has been copied with the DFHRMUTL COLD_COPY function and has not yet been used by CICS. This change is not allowed because the catalog no longer has the necessary records to allow a diagnostic run.

**System action**

The DFHRMUTL job continues.

**User response**

None.

**Module:** DFHRMUTL

**Destination**

SYSPRINT

**DFHRM0316** DFHRMUTL NOT SUPPORTED ON THIS LEVEL OF OPERATING SYSTEM.

**Explanation**

It has been detected that the release level of the operating system is earlier than the pre-requisite release level required to run CICS DFHRMUTL, or the
required maintenance for the operating system has not been applied.

**System action**
The CICS DFHRMUTL job step terminates with return code 16.

**User response**
Refer to the CICS TS Program Directories and install the pre-requisite operating system release level or higher. Check also that any listed pre-requisite maintenance for the operating system has been applied.

**Module:**
DFHRMUTL

**Destination**
SYSPRINT

**Message DFHRM0317**
CICS DFHRMUTL IS NOT SUPPORTED ON THIS LEVEL OF HARDWARE.

**Explanation**
It has been detected that the release level of hardware is earlier than the pre-requisite required to run CICS DFHRMUTL.

**System action**
The CICS DFHRMUTL job step terminates with return code 16.

**User response**
Refer to the CICS TS Program Directories to see the pre-requisite hardware required.

**Module:**
DFHRMUTL

**Destination**
SYSPRINT

**Message DFHRM0400**
Applid A unit of work was incompletely reconstructed from the system log.

**Explanation**
A unit of work has been only partially reconstructed from the log records on the system log.

The first log record that the unit of work wrote to the system log was not browsed during CICS restart although processing of the unit of work has not completed its syncpoint processing.

The probable cause is that the primary system log stream has been truncated incorrectly or that the secondary system log stream has been truncated or deleted incorrectly. Alternatively, the data on either log stream may have been corrupted so that the chain representing the unit of work was not completely processed during CICS restart.

These effects may be due to the log stream being modified between CICS runs, problems in the MVS logger, or problems in CICS itself. The most likely cause is that the logstream was deleted or modified between CICS runs. If it was deleted, the CICS logger will have issued a message during the CICS restart reporting that it was creating the logstream.

**System action**
CICS makes an exception trace entry including the unit of work in which the problem was detected, issues this message, takes a dump, and then terminates abnormally.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Ensure that the primary and secondary system logstreams are valid. If a problem can be rectified, auto-start CICS again.

If the problem cannot be rectified, you should perform an initial start of CICS.

If you are certain that the system log streams have not been deleted or modified between CICS runs, there may be an error in the MVS logger or in CICS. In this case, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed. It would be helpful to keep the failing logstream or a report of its contents.

**Module:**
DFHRMU1E.

**XMEOUT parameters/Message inserts**

1. applid

**Destination**
Console
**DFHRM0401**  
*applid* There is no system log or an empty system log has been detected.

**Explanation**  
An empty system log has been detected on a CICS restart which requires the log for recovery processing. This is unexpected because there should always be one or more log records on the system log when CICS has started previously. Alternatively, there is no CICS system log because DUMMY has been specified in the definition of the log stream, and a start that requires a valid system log has been requested.

The probable cause is that the primary system log stream has been destroyed or cleared incorrectly. The data on the primary log stream may have been corrupted so that the CICS logger could not find any valid records on it. Alternatively, the system log has been defined as a DUMMY log inappropriately.

These effects may be due to the log stream being modified between CICS runs, problems in the MVS logger, or problems in CICS itself. The most likely cause is that the logstream was deleted or emptied between CICS runs. If it was deleted, the CICS logger will have issued a message during the CICS restart reporting that it was creating the logstream.

**System action**  
CICS makes an exception trace entry including the unit of work in which the problem was detected, issues this message, takes a dump, and then terminates abnormally.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**  
None.

**Module:**  
DFHRMSL5

---

**XMEOUT parameters/Message inserts**

1. *applid*

**Destination**  
Console

**DFHRM0402**  
*date time applid UOWID:X'luowid' found.*

**Explanation**  
The system log is being read to recover and resolve the inflight, indoubt, commit-failed and backout-failed units of work. A record has been read that is the first evidence of the identified unit of work.

**System action**  
The recovery processing continues. When CICS has encountered all the records related to this unit of work, then it will issue either a DFHRM0403 or DFHRM0404 message that will signal if further processing is required to resolve the unit of work or if the unit of work is complete and requires no further processing. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**  
None.

**Module:**  
DFHRMU1D

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *X'luowid'*

**Destination**  
CSMT

**DFHRM0403**  
*date time applid UOWID:X'luowid' recovered for resolution, current status:uowstatus, tasknum:tasknum, tranid:tranid, Net UOWID:networkuowid*

**Explanation**  
The system log is being read to recover and resolve the inflight, indoubt, commit-failed or backout-failed units...
of work. All the records related to the identified unit of work have been read.

There will be a matching DFHRM0402 message issued earlier during the recovery processing for the same unit of work. If this unit of work was found to be inflight, indoubt, commit-failed or backout-failed, then further processing is required to resolve it.

CICS also has to recover any locally committed units of work awaiting a forget flow for resolution with a remote system, or with retained links from a previous resync to an external resource manager.

The total number of such locally committed units of work that are recovered during the CICS restart is reported in message DFHRM0229. These units of work will be resolved when CICS reconnects to the appropriate remote system or external resource manager.

**System action**

The recovery processing continues. When recovery processing is complete CICS will process this unit of work to ensure its resolution. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

None.

**Module:** DFHRMU1D

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. X'luowid'
5. uowstatus
6. tasknum
7. tranid
8. networkuowid

**Destination**

CSMT

**Explanation**

The system log is being read to recover and resolve the inflight, indoubt, commit-failed and backout-failed units of work. All the records on the log related to the identified unit of work have been read. This unit of work was found to have been completed and it requires no further processing.

There will be a matching DFHRM0402 message issued earlier during the recovery processing for the same unit of work.

**System action**

The recovery processing continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

None.

**Module:** DFHRMU1D

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. X'luowid'
5. uowstatus
6. tasknum
7. tranid
8. networkuowid

**Destination**

CSMT

DFHRM0405 date time applid Keypoint recovered. All relevant UOWs have been identified. Scan continuing for full recovery.

**Explanation**

A complete set of keypoint records has been recovered from the system log. CICS ensures that all active units of work write at least one record into the keypoint. This means that during the recovery process, once a complete keypoint has been recovered, then there are no inflight, indoubt, commit-failed or backout-failed units of work that remain to be discovered on the system log. DFHRM0402 messages will have been
issued identifying all the units of work that potentially need resolving.

**System action**
The system recovery process continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
None.

**Module:**

**DFHRPnnnn messages**

DFHRP0001  
**applid** An abend (code **aaa/bbbb**) has occurred at offset **X'offset'** in module **modname**.

**Explanation**
An abnormal end (abend) or program check has occurred in module **modname**. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code **aaa/bbbb** is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action**
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module **modname** is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem. If you cannot run without the full use of module **modname** you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

**DFHRPRP**

**DFHRP0002**  
**applid** A severe error (code **X'code'**) has occurred in module **modname**.

**Explanation**
An error has been detected in module **modname**. The code **X'code'** is the exception trace point ID, which gives an indication of the cause of the error:

- 9F49?error in the C environment
• 9F4A?no storage for the RPC caller
• 9F4C?error from socket call to TCP/IP for MVS
• 9F4D?error from gethostid call to TCP/IP for MVS
• 9F4F?error from select call to TCP/IP for MVS
• 9F55?error from svc_register call to TCP/IP for MVS
• 9F58?error from svcudp_create call to TCP/IP for MVS
• 9F59?error from svctcp_create call to TCP/IP for MVS
• 9F5B?error from svc_sendreply call to TCP/IP for MVS
• 9F5C?invalid aup_gids from client
• 9F5D?machine name from client too long
• 9F5E?error from svc_getargs call to TCP/IP for MVS
• 9F5F?error from svc_freeargs call to TCP/IP for MVS
• 9F60?error from getssockopt call to TCP/IP for MVS
• 9F61?error from maxdesc call to TCP/IP for MVS (unknown error)
• 9F62?error from maxdesc call to TCP/IP for MVS (not enough sockets)
• 9F63?error from maxdesc call to TCP/IP for MVS (EFAULT)
• 9F64?error from maxdesc call to TCP/IP for MVS (EALREADY)
• 9F65?error from maxdesc call to TCP/IP for MVS (EINVAL)
• 9F66?error from maxdesc call to TCP/IP for MVS (EMFILE)
• 9F67?error from maxdesc call to TCP/IP for MVS (ENOFILE)
• 9F68?error from maxdesc call to TCP/IP for MVS (EINVAL)
• 9F69?error from maxdesc call to TCP/IP for MVS (EMFILE)
• 9F6A?error from maxdesc call to TCP/IP for MVS (ENOMEM)
• 9F6B?error from maxdesc call to TCP/IP for MVS (EIBMIUCVERR)
• 9F6C?error from svcerr_auth call to TCP/IP for MVS
• 9F6D?error from svcerr_decode call to TCP/IP for MVS
• 9F6E?error from svcerr_noproc call to TCP/IP for MVS
• 9F6F?error from dfhsvc_getreqset.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

There are some specific user actions that can be taken for certain values of code:

• 9F4A?Retry the current action if possible. If the shortage of storage persists, reduce the number of tasks that can run concurrently, or increase the DSA limits.
• 9F49?Check that the C run-time environment is derived from the same product, version, and release as was used for link-editing at installation time.
• 9F5C?Check the TCP/IP for MVS configuration and release level.
• 9F5D?Check the TCP/IP for MVS configuration and release level.
• 9F6A?Check that TCP/IP for MVS has been started.
:pc.For other TCP/IP for MVS problems, look at the TCP/IP for MVS diagnostics.

You may need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHRPRP

**XMEOUT parameters/Message inserts**

1. applid
2. X’code’
3. modname

**Destination**

Console

| DFHRP0102 | date time applid tranid A CICS ONC RPC alias has received an incorrect response on a call made to CICS during alias initialization. |

**Explanation**

The alias has received a response that indicates a logic error in the alias while calling CICS to establish its initialization information.

**System action**

The client request is abandoned, and no reply is sent to the client. A system dump is taken. The alias abends with abend code ARPK. Message DFHME0116,
which contains the symptom string for this problem, is produced.

**User response**

See the associated CICS messages for problem diagnosis.

**Module:**

DFHRPAS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**

CRPO

DFHRP0103  
date time applid tranid A CICS ONC RPC alias has been started incorrectly.

**Explanation**

The alias has been invoked by a means other than the server controller, possibly by a user at a terminal.

**System action**

There was no client request to process. The alias abends with abend code ARPF.

**User response**

Check that the alias was not started by a terminal user.

**Module:**

DFHRPAS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**

CRPO

DFHRP0104  
date time applid tranid A CICS ONC RPC alias has received an incorrect response on a call made to CICS during alias initialization.

**Explanation**

The alias has received a response while calling CICS to establish its initialization information that indicates that the alias may not have been started by server controller.

**System action**

There is no client request to process. The alias abends with abend code ARPF.

**User response**

Check that the alias has not been started by a means other than the server controller.

**Module:**

DFHRPAS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**

CRPO

DFHRP0105  
date time applid tranid A CICS ONC RPC alias has received an incorrect response on a call made to CICS during alias initialization.

**Explanation**

The alias has received a response that indicates that CICS has experienced a temporary error while trying to pass the alias its initialization information from temporary storage.

**System action**

The client request is abandoned, and no reply is sent to the client. The alias abends with abend code ARPJ.

**User response**

See the associated CICS messages for problem diagnosis.

**Module:**

DFHRPAS

**XMEOUT parameters/Message inserts**

1. date
A CICS ONC RPC alias has received an incorrect response on a call made to CICS during alias initialization.

Explanation
The alias cannot find its initialization information in CICS temporary storage. This is probably due to the retrieval of data from temporary storage by another application.

System action
The client request is abandoned, and no reply is sent to the client. The alias abends with abend code ARPF.

User response
Check that no other application is using the same temporary storage queue as the alias.

Module:
DFHRPAS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

A CICS ONC RPC alias has been started incorrectly.

Explanation
The alias has detected an error while validating its initialization information. This probably means that the alias has been started by a means other than the server controller.

System action
There was no client request to process. The alias abends with abend code ARPF.

User response
Check that the alias was not started by a transient data trigger level or by a CECI user.

Module:
DFHRPAS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
ONC RPC alias is unable to continue processing because the corresponding alias list entry has been deleted. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: X'port' Socket: X'socket'.

**Explanation**

The alias has attempted to update its alias list entry to indicate that it has successfully started. The alias list component has returned a NOT FOUND response.

**System action**

An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPF.

**User response**

This situation is almost certainly due to an alias starting after immediate disable of CICS ONC RPC or after its alias list entry has been explicitly deleted by the connection manager.

**Module:** DFHRPAS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. X'prognum'
8. X'versnum'
9. X'procnum'
10. protocol
11. X'port'
12. X'socket'

**Destination**

CRPO

**DFHRP0114**

date time applid tranid A CICS ONC RPC alias is unable to continue processing because it is unable to update the corresponding alias list entry. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: X'port' Socket: X'socket'.

**Explanation**

The alias has attempted to update its alias list entry to indicate that it has successfully started. The alias list component has returned an error response other than NOT FOUND. This is due to an error in another component of CICS.

**System action**

An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPJ.

**User response**

Proceed as indicated in the messages issued by the CICS component in error.

**Module:** DFHRPAS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. X'prognum'
8. X'versnum'
9. X'procnum'
10. protocol
11. X'port'
12. X'socket'

**Destination**

CRPO

**DFHRP0118**

date time applid tranid A CICS ONC RPC alias is unable to continue processing this client request. Client IP address: clientaddr Host
**Explanation**

The alias has detected that CICS ONC RPC may have been disabled since this client request was scheduled by the server controller. This is indicated by an incorrect reference to the GWA used by CICS ONC RPC.

**System action**

The client request is abandoned, and no reply is sent to the client. The alias abends with abend code ARPH.

**User response**

Check that CICS ONC RPC has not been disabled since this client request was first scheduled. This problem may arise when long-running CICS programs are being used. It may also occur if CICS ONC RPC is disabled and immediately re-enabled.

**Module:** DFHRPAS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. \texttt{X'prognum'}
8. \texttt{X'versnum'}
9. \texttt{X'procnum'}
10. protocol
11. port
12. socket

**Destination**

CRPO

**Explanation**

The alias has detected an error with the response returned from the external security manager while attempting to authenticate this client request.

**System action**

An \texttt{svcerr_systemerr} call is used to send a reply to the client. The alias abends with abend code ARPJ.

**User response**

Check that the external security manager is still available.

**Module:** DFHRPAS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. \texttt{X'prognum'}
8. \texttt{X'versnum'}
9. \texttt{X'procnum'}
10. protocol
11. port
12. socket

**Destination**

CRPO

**Explanation**

The alias has received a response while authenticating the userid and password associated with this client request.
request which indicates that this client request is not authenticated to CICS.

System action

An scvccr_auth call with a why-value of AUTH_TOOWEAK is used to send a reply to the client. The alias abends with abend code ARPL.

User response

Check the userid/password combination associated with this client request. See the associated CICS messages relating to the security error for help with problem diagnosis.

Module: DFHRPAS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. X'prognum'
8. X'versnum'
9. X'procnum'
10. protocol
11. port
12. socket

Destination CRPO DFHRP0121 date time applid tranid A CICS ONC RPC alias is unable to continue processing this client request. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation

The alias has encountered an internal error while authenticating the userid and password associated with this client request.

System action

An scvccr_systemerr call is used to send a reply to the client. A system dump is taken. The alias abends with abend code ARPK. Message DFHME0116,
which contains the symptom string for this problem, is produced.

User response

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPAS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. X'prognum'
8. X'versnum'
9. X'procnum'
10. protocol
11. port
12. socket

Destination

CRPO

DFHRP0123 date time applid tranid A CICS ONC RPC alias is unable to continue processing this client request. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation

The alias has encountered an internal error while trying to link to the resource checker.

System action

An svcerr_systemerr call is used to send a reply to the client. A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string...
given in message DFHME0116. It will aid problem determination.

Module: DFHRPAS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. X'prognum'
8. X'versnum'
9. X'procnum'
10. protocol
11. port
12. socket

Destination
CRPO

DFHRP0125 date time applid tranid A CICS ONC RPC alias is unable to continue processing as it cannot link to the resource checker program. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation
The alias has received a response while trying to link to the resource checker that indicates that the remote system on which the program resides is not defined or available to CICS.

System action
An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPG.

User response
Ensure that the remote CICS region in which the resource checker resides is defined to CICS. If it is, check that the connection is available for use by CICS.

Module: DFHRPAS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. program
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. port
13. socket

Destination
CRPO

**DFHRP0127**

*date time applid tranid* A CICS ONC RPC alias is unable to continue processing this client request. Client IP address: *clientaddr* Host IP address: *hostaddr* Program: *X'prognum'* Version: *X'versnum'* Procedure: *X'procnum'* Protocol: *protocol* Port: *port* Socket: *socket*.

**Explanation**
The alias has detected a rollback in the resource checker in a remote CICS region.

**System action**
An *svcerr_systemerr* call is used to send a reply to the client. The alias abends with abend code ARPJ.

**User response**
Investigate the problem in the remote CICS region. You should consider changing the resource checker so that it does not update any CICS recoverable resources because this is not its primary design intent. Retry the client request.

**Module:**
DFHRPAS

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *tranid*
5. *clientaddr*
6. *hostaddr*
7. *X'prognum'*
8. *X'versnum'*
9. *X'procnum'*
10. *protocol*
11. *port*
12. *socket*

**DFHRP0128**

*date time applid tranid* A CICS ONC RPC alias is unable to continue processing because it cannot link to the resource checker *program*. Client IP address: *clientaddr* Host IP address: *hostaddr* Program: *X'prognum'* Version: *X'versnum'* Procedure: *X'procnum'* Protocol: *protocol* Port: *port* Socket: *socket*.

**Explanation**
The alias has received a response while trying to link to the resource checker that indicates that it is not authorized to do so. This error has occurred because either the local alias transaction has been defined with RESSEC=YES, or the resource checker is in a remote CICS region and the mirror transaction in the remote region is defined with RESSEC=YES.

**System action**
An *svcerr_systemerr* call is used to send a reply to the client. The alias abends with abend code ARPG.

**User response**
If the alias or mirror transaction must run with RESSEC=YES, add a profile to the external security manager that allows users to access the resource checker. If you do not require resource level security in the CICS program, set RESSEC=NO in the alias or mirror transaction definition.

**Module:**
DFHRPAS

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *tranid*
5. *clientaddr*
6. *hostaddr*
Destination

CRPO

DFHRP0130  

Date time applid tranid A CICS ONC RPC alias is unable to continue processing this client request. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation

The resource checker has returned the response and reason codes response and reason. This client request is not authorized to continue.

System action

An svcerr_auth call with a why-value of AUTH_BADCRED is used to send a reply to the client. The alias abends with abend code ARPL.

User response

Determine from the resource checker the meaning of the response and reason codes, and amend the program if necessary.

Module:

DFHRPAS

XMEOUT parameters/Message inserts

1. date
   2. time
   3. applid
   4. tranid
   5. clientaddr
   6. hostaddr
   7. X'prognum'
   8. X'versnum'
   9. X'procnum'
   10. protocol
   11. port
   12. socket
11. X'procnum'
12. protocol
13. port
14. socket

**Destination**

**CRPO**

**DFHRP0131**

*A CICS ONC RPC alias is unable to continue processing this client request as it cannot query the authorization of the CICS program program. EIBRESP2: eibresp2 Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.*

**Explanation**
The alias issued an EXEC CICS QUERY SECURITY command for the CICS program program, but received a NOTFND response.

**System action**
An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPG.

**User response**
Use the EIBRESP2 value to determine the exact cause of the problem.

**Module:** DFHRPAS

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. program
6. eibresp2
7. clientaddr
8. hostaddr
9. X'prognum'
10. X'versnum'
11. X'procnum'
12. protocol
13. port
14. socket
Explanation
The alias has received an incorrect response on a call to CICS while trying to test the authorization level of the client.

System action
An svcerr_systemerr call is used to send a reply to the client. A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPAS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. \texttt{X'prognum'}
8. \texttt{X'versnum'}
9. \texttt{X'procnum'}
10. protocol
11. port
12. socket
**Explanation**

The alias has detected an internal arithmetic error with the parameters passed by the server controller while processing this client request and is unable to link to the CICS program.

**System action**

The client request is abandoned, and a SYSTEMERR reply is sent to the client. A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:**
DFHRPAS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. X'prognum'
8. X'versnum'
9. X'procnum'
10. protocol
11. port
12. socket

**Destination**

CRPO
**Explanation**

The alias has encountered an internal error while trying to link to the CICS program.

**System action**

An `svcerr_systemerr` call is used to send a reply to the client. A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:**

DFHRPAS

**XMEOUT parameters/Message inserts**

- date
- time
- applid
- tranid
- clientaddr
- hostaddr
- `X'prognum'`
- `X'versnum'`
- `X'procnum'`
- protocol
- port
- socket

**Destination**

CRPO

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<th>Module</th>
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<td>Port</td>
<td>port</td>
</tr>
<tr>
<td>Socket</td>
<td>socket</td>
</tr>
</tbody>
</table>

**DFHRP0138**

```
date time applid tranid A CICS ONC RPC alias is unable to continue processing as it cannot link to the CICS program program. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.
```

**Explanation**

The alias has received a response while trying to link to the CICS program `program` that indicates that the program is not defined to CICS.

**System action**

An `svcerr_systemerr` call is used to send a reply to the client. The alias abends with abend code ARPG.

**User response**

Check that the CICS program is defined to CICS.

**Module:**

DFHRPAS

**XMEOUT parameters/Message inserts**

- date
- time
- applid
- tranid
- program
- clientaddr
- hostaddr
- `X'prognum'`
- `X'versnum'`
- `X'procnum'`
- protocol
- port
- socket

**Destination**

CRPO

**DFHRP0139**

```
date time applid tranid A CICS ONC RPC alias is unable to continue processing as it cannot link to the CICS program program. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.
```

**Explanation**

The alias has received a response while trying to link to the CICS program `program` that indicates that the remote system in which the program resides is not defined or is not available to CICS.
System action

An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPG.

User response

Ensure that the remote CICS region in which the server program resides is defined to CICS. If it is, ensure that the connection is available for use by CICS.

Module:
DFHRPAS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. program
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. port
13. socket

Destination

CRPO

Explanation

The alias has detected a rollback in the CICS program in the remote CICS region.

System action

An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPG.

User response

Investigate why the CICS program rolled back.

Module:
DFHRPAS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. X'prognum'
8. X'versnum'
9. X'procnum'
10. protocol
11. port
12. socket

Destination

CRPO

DFHRP0141 date time applid tranid A CICS ONC RPC alias is unable to continue processing as it cannot link to the CICS program program. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation

The alias has received a response while trying to link to the CICS program program that indicates that it is not authorized to do so.

System action

An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPG.

User response

If the CICS program must run with resource level security, add a profile to the external security manager that grants access to the CICS program to its clients. If you do not require resource level security in the CICS program, set RESSEC=NO in the alias or mirror transaction definition.
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. program
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. port
13. socket

Destination

CRPO

DFHRP0142  date time applid tranid A CICS ONC
RPC alias is unable to continue processing this client request.
Client IP address: clientaddr Host IP address: hostaddr
Program: X'prognum' Version: X'versnum'
Procedure: X'procnum' Protocol: protocol
Port: port Socket: socket.

Explanation

The alias has encountered an internal error and cannot determine how to send a reply to the client. The CICS program has run successfully, and may have updated CICS resources.

System action

An svcerr_systemerr call is used to send a reply to the client. A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:

DFHRPAS
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. X'prognum'
8. X'versnum'
9. X'procnum'
10. protocol
11. port
12. socket

Destination

CRPO

DFHRP0145  
date time applid tranid A CICS ONC RPC alias is unable to send a reply to the client because of a length error.

Explanation

The alias is unable to send a reply to the client because the communication area length is zero, but the client was expecting data to be sent in the reply.

System action

The client request is abandoned, and no reply is sent to the client. A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

See the associated CICS messages for problem diagnosis.

Module:
DFHRPAS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. X'prognum'
8. X'versnum'
9. X'procnum'
10. protocol
11. port
12. socket

Destination

CRPO
DFHRP0146  

**date**  
**time**  
**applid**  
**tranid**  
A CICS ONC RPC alias is unable to send a reply to the client due to an error in send reply processing. The transport handle was invalid or was not found.  
Client IP address: **clientaddr**  
Host IP address: **hostaddr**  
Program: **X'prognum'**  
Version: **X'versnum'**  
Procedure: **X'procnum'**  
Protocol: **protocol**  
Port: **port**  
Socket: **socket**.

**Explanation**

The alias cannot send a reply to the client. A problem has occurred in send reply processing. The transport handle was in error or was not found.

**System action**

The client request is abandoned, and no reply is sent to the client. The alias abends with abend code ARPJ.

**User response**

Examine the diagnostics to determine the reason for the error.

**Module:**  
DFHRPAS

**XMEOUT parameters/Message inserts**

1. **date**  
2. **time**  
3. **applid**  
4. **tranid**  
5. **clientaddr**  
6. **hostaddr**  
7. **X'prognum'**  
8. **X'versnum'**  
9. **X'procnum'**  
10. **protocol**  
11. **port**  
12. **socket**

**Destination**

CRPO

---

DFHRP0147  

**date**  
**time**  
**applid**  
**tranid**  
A CICS ONC RPC alias is unable to send a reply to the client due to an error in send reply processing. The transport handle was invalid or was not found.  
Client IP address: **clientaddr**  
Host IP address: **hostaddr**  
Program: **X'prognum'**  
Version: **X'versnum'**  
Procedure: **X'procnum'**  
Protocol: **protocol**  
Port: **port**  
Socket: **socket**.

**Explanation**

The alias cannot send a reply to the client because CICS ONC RPC is disabling.

**System action**

The client request is abandoned, and no reply is sent to the client. The alias abends with abend code ARPJ.

**User response**

Examine the diagnostics to determine the reason for the error.

**Module:**  
DFHRPAS

**XMEOUT parameters/Message inserts**

1. **date**  
2. **time**  
3. **applid**  
4. **tranid**  
5. **clientaddr**  
6. **hostaddr**  
7. **X'prognum'**  
8. **X'versnum'**  
9. **X'procnum'**  
10. **protocol**  
11. **port**  
12. **socket**

**Destination**

CRPO

---

DFHRP0148  

**date**  
**time**  
**applid**  
**tranid**  
A CICS ONC RPC alias is unable to send a reply to the client because CICS ONC RPC is disabling.

Client IP address: **clientaddr**  
Host IP address: **hostaddr**  
Program: **X'prognum'**  
Version: **X'versnum'**  
Procedure: **X'procnum'**  
Protocol: **protocol**  
Port: **port**  
Socket: **socket**.
Explanation
The alias cannot send a reply back to the client. The alias received an unexpected response from the RPC caller.

System action
An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPI.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHRPAS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. X'prognum'
8. X'versnum'
9. X'procnum'
10. protocol
11. port
12. socket

Destination
CRPO

DFHRP0149 date time applid tranid A CICS ONC RPC alias is unable to send a reply to the client. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation
The alias cannot send a reply back to the client. The alias received an unexpected response from the RPC caller.

System action
An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPI.

User response
If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. You may need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHRPAS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. X'prognum'
8. X'versnum'
9. X'procnum'
10. protocol
11. port
12. socket

Destination
CRPO

DFHRP0150 date time applid tranid A CICS ONC RPC alias is unable to send data to the client.

Explanation
The alias is unable to send reply to the client. An unexpected response was returned from RPC caller.

System action
The client request is abandoned, and no reply is sent to the client. The alias abends with abend code ARPJ.

User response
See the associated CICS messages for problem diagnosis.

Module:
Destination

CRPO

DFHRP0151 date time applid tranid A CICS ONC RPC alias has encountered a severe internal error while processing this client request. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation

The alias is unable to switch TCB modes to allow it to send a reply to the client. The RP TCB is not active.

System action

The client request is abandoned, and no reply is sent to the client. A system dump is taken. The alias abends with abend code ARPN. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

See any associated CICS messages to help with problem diagnosis. If you cannot determine why the TCB mode could not be switched, you need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:

DFHRPAS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. X'prognum'
8. X'versnum'
9. X'procnum'
10. protocol
11. port
12. socket

Destination

CRPO

DFHRP0155 date time applid tranid A CICS ONC RPC alias encountered an error while attempting to access the converter converter_program_name. Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation

An error has prevented the alias from accessing the converter converter_program_name.

System action

An svcerr_systemerr call is used to send a reply to the client. A system dump is taken. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:

DFHRPAS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. converter_program_name
6. `hostaddr`
7. `X'prognum'`
8. `X'versnum'`
9. `X'procnum'`
10. `protocol`
11. `port`
12. `socket`
13. `clientaddr`

**Destination**

**CRPO**

**DFHRP0156**

A CICS ONC RPC alias could not link to converter `converter_program_name` because it is remote. Client IP address: `clientaddr` Host IP address: `hostaddr` Program: `X'prognum'` Version: `X'versnum'` Procedure: `X'procnum'` Protocol: `protocol`

**Port**: `port`

**Socket**: `socket`

**Explanation**

The alias used EXEC CICS LINK for converter `converter_program_name` to perform the `Encode` function, but received a PGMIDERR response.

**System action**

An `svcerr_systemerr` call is used to send a reply to the client. A system dump is taken.

**User response**

Use CEDA to check that you have defined your converter program correctly to CICS.

**Module:**

DFHRPAS

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `converter_program_name`
6. `clientaddr`
7. `hostaddr`
8. `X'prognum'`
9. `X'versnum'`
10. `X'procnum'`
11. `protocol`
12. `port`
13. socket

Destination
CRPO

DFHRP0159  date time applid tranid A CICS ONC RPC alias is not authorized to link to converter converter_program_name. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation
The alias cannot access the converter. An authorization error has occurred.

System action
An svcerr_systemerr call is used to send a reply to the client. A system dump is taken. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
See the associated messages issued by CICS for problem diagnosis.

Module:
DFHRPAS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. converter_program_name
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. port
13. socket

Destination
CRPO

DFHRP0160  date time applid tranid A CICS ONC RPC alias received an incorrect response from CICS when attempting to access the converter converter_program_name. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation
The alias received an unexpected response when trying to link to the converter for Encode processing.

System action
An svcerr_systemerr call is used to send a reply to the client. A system dump is taken. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
See the associated messages issued by CICS for problem diagnosis.

Module:
DFHRPAS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. converter_program_name
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. port
13. socket

Destination
CRPO

DFHRP0161  date time applid tranid A CICS ONC RPC alias encountered an error during Encode processing in the converter program. Client
Explanation

Encode returned URP EXCEPTION.

System action

An svcerr_systemerr call is used to send a reply to the client.

User response

Examine the diagnostics to determine the reason for the error.

Module:
DFHRPAS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. program
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. port
13. socket

Destination

CRPO


Explanation

Encode returned an unexpected return code.

System action

An svcerr_systemerr call is used to send a reply to the client. A system dump is taken. Message DFHME0116,
which contains the symptom string for this problem, is produced.

**User response**

Examine the diagnostics to determine the reason for the error.

**Module:**
DFHRPAS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. program
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. port
13. socket

**Destination**
CRPO

**DFHRP0164**

`date time applid tranid A CICS ONC RPC alias is unable to send an error reply to the client due to a logic error. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.`

**Explanation**

The alias cannot send an error reply to the client due to a logic error.

**System action**

No reply is sent to the client. A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHRPAS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. X'prognum'
8. X'versnum'
9. X'procnum'
10. protocol
11. port
12. socket

**Destination**
CRPO

**DFHRP0166**

`date time applid tranid A CICS ONC RPC alias is unable to send a reply to the client because the transport handle was invalid or was not found. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.`

**Explanation**

The alias cannot send a reply to the client. The transport handle was invalid or was not found.

**System action**

No reply is sent to the client. The alias abends with abend code ARPJ.

**User response**

If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. You may need further assistance from
IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHRPAS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. X'prognum'
8. X'versnum'
9. X'procnum'
10. protocol
11. port
12. socket

Destination
CRPO

DFHRP0167  date time applid tranid A CICS ONC RPC alias is unable to send an error reply to the client. CICS ONC RPC is disabling. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation
The alias cannot send a reply to the client because CICS ONC RPC is disabling.

System action
No reply is sent to the client. The alias abends with abend code ARPI.

User response
Examine the diagnostics to determine the reason for the error.

Module:
DFHRPAS

XMEOUT parameters/Message inserts
1. date
2. time

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Destination
CRPO


Explanation
Encode returned URP_DISASTER.

System action
An svcerr_systemerr call is used to send a reply to the client.

User response
Examine the diagnostics to determine the reason for the error.

Module:
DFHRPAS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. program
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'

Destination
CRPO

DFHRP0171  date time applid tranid A CICS ONC RPC alias has detected a FREEMAIN error.

Explanation
The alias has detected a FREEMAIN error when freeing the communication area used by the CICS program. This FREEMAIN occurs after Encode processing.

System action
Processing continues.
User response
Examine the diagnostics to determine the reason for
the error.

Module:
DFHRPAS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CRPO

DFHRP0172  date time applid tranid A CICS
ONC RPC alias has detected a
FREEMAIN error.

Explanation
The alias has detected an error while freeing the data
area created by Encode processing. The FREEMAIN
occurs after outbound XDR processing.

System action
Processing continues.

User response
Examine the diagnostics to determine the reason for
the error.

Module:
DFHRPAS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CRPO

DFHRP0174  date time applid tranid A CICS
ONC RPC alias received an
error response while attempting
to delete its alias list entry.
Client IP address: clientaddr Host
IP address: hostaddr Program:
X'prognum' Version: X'versnum'
Procedure: X'procnum' Protocol:
protocol Port: X'port' Socket:
X'socket'.

Explaination
The alias has attempted to delete its alias list entry
at task end. The alias list component has returned
a NOT FOUND response. This is because either
a connection manager user has started immediate
disable processing, or because a connection manager
user has deleted the entry.

System action
The alias abends with abend code ARPJ.

User response
None.

Module:
DFHRPAS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. X'prognum'
8. X'versnum'
9. X'procnum'
10. protocol
11. X'port'
12. X'socket'

Procedure: X'procnum' Protocol:
protocol Port: X'port' Socket:
X'socket'.

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**Explanation**
The alias has attempted to delete its alias list entry at task end. It received a response that indicated a severe error had occurred.

**System action**
The alias abends with abend code ARPJ.

**User response**
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHRPAS

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. X'prognum'
8. X'versnum'
9. X'procnum'
10. protocol
11. X'port'
12. X'socket'

**Destination**
CRPO

**DFHRP0175**
*date time applid tranid* A CICS ONC RPC alias sent an error reply to the client, but cannot free storage associated with the error call to the client.

**Explanation**
The alias sent an error reply to the client. After this reply was sent, the alias received an error response when attempting to free storage associated with the error call to the client.

**System action**
The alias abends with abend code ARPJ.

**User response**
Examine the diagnostics to determine the reason for the error. If the problem persists, you need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHRPAS

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. X'prognum'
8. X'versnum'
9. X'procnum'
10. protocol
11. port
12. socket

**Destination**
CRPO

**DFHRP0176**
*date time applid tranid* A CICS ONC RPC alias sent a reply to the client, but cannot free storage associated with the svc_sendreply call.

**Explanation**
The alias sent a reply back to the client. After this reply was sent, the alias received an error response when attempting to free storage associated with the svc_sendreply call.
System action

The alias abends with abend code ARPJ.

User response

Examine the diagnostics to determine the reason for the error. You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHRPAS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. X'prognum'
8. X'versnum'
9. X'procnum'
10. protocol
11. port
12. socket

Destination

CRPO

DFHRP0180  date time applid tranid A CICS ONC RPC alias has detected an abend issued by the resource checker program. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation

The alias has detected an abend by the CICS program that was servicing the client request.

System action

An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPO.

User response

Examine the diagnostics to determine the reason for the error.

Module:
DFHRPAS
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. program
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. port
13. socket

Destination

CRPO


Explanation

The alias has detected an abend.

System action

An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPO.

User response

Examine the diagnostics to determine the reason for the error.

Module:
DFHRPAS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. program
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. port
Destination
CRPO
DFHRP0185 date time applid tranid A CICS ONC RPC alias has detected an error in the resource checker. Response: 

Explanation
The resource checker has returned the response response and reason reason. This client request is not authorized to continue.

System action
An svcerr_auth call with a why-value of AUTH_TOOWEAK is used to send a reply to the client. The alias abends with abend code ARPM.

User response
If you suspect an error in the resource checker, use the response and reason codes to debug it.

Module:
DFHRPAS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. response
6. reason
7. clientaddr
8. hostaddr
9. X'prognum'
10. X'versnum'
11. X'procmum'
12. protocol
13. port
14. socket

Destination
CRPO
ONC RPC alias has detected an error in the resource checker program. Response: response
Reason: reason. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum'

Explanation

The resource checker has returned the response response and reason reason. This client request is not authorized to continue.

System action

An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPM.

User response

If you suspect an error in the resource checker, use the response and reason codes to debug it.

Module:

DFHRPAS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. response
6. reason
7. clientaddr
8. hostaddr
9. X'prognum'
10. X'versnum'
11. X'procnum'
12. protocol
13. port
14. socket

Destination

CRPO


Explanation

The resource checker has returned the response response and reason reason. This client request is not authorized to continue.

System action

An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPM.

User response

If you suspect an error in the resource checker, use the response and reason codes to debug it.

Module:

DFHRPAS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. response
6. reason
7. clientaddr
8. hostaddr
9. X'prognum'
10. X'versnum'
11. X'procnum'
12. protocol
13. port
14. socket

Destination

CRPO

Explanation

The resource checker has returned the response response and reason reason. This client request is not authorized to continue.

System action

An svcerr_systemerr call is used to send a reply to the client. A system dump is taken. The alias abends with code abend ARPM. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

If you suspect an error in the resource checker, use the response and reason codes to debug it.

Module:

DFHRPAS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. response
6. reason
7. clientaddr
8. hostaddr
9. 'prognum'
10. 'versnum'
11. 'procnum'
12. protocol
13. port
14. socket

Destination

CRPO

DFHRP0189
date time applid tranid A CICS ONC RPC alias is unable to continue processing this client request as it cannot load the CICS program program. Client IP address: clientaddr Host IP address: hostaddr Program: 'prognum' Version: 'versnum'

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Explanation
The alias has received a PGMIDERR response while trying to EXEC CICS LOAD the CICS program for security checking. This indicates that the program cannot be found or cannot be autoinstalled.

System action
An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPG.

User response
Ensure that the load module is in the DFHRPL concatenation and can be autoinstalled.

Module:
DFHRPAS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. program
6. eibresp2
7. clientaddr
8. hostaddr
9. X'prognum'
10. X'versnum'
11. X'procnum'
12. protocol
13. port
14. socket

Destination
CRPO

DFHRP0191 date time applid tranid A CICS ONC RPC alias is unable to continue processing this client request as it cannot load the CICS program program. EIBRESP2: eibresp2 Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation
The alias has received a PGMIDERR response while trying to EXEC CICS LOAD the CICS program for security checking. This indicates that the program autoinstall control program has failed.

System action
An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPJ.

User response
Use the EIBRESP2 value to determine why the program autoinstall control program failed and correct the problem.

Module:
DFHRPAS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. program
6. eibresp2
7. clientaddr
8. hostaddr
9. X'prognum'
10. X'versnum'
11. X'procnum'
12. protocol
13. port
14. socket

Destination
CRPO

DFHRP0192 date time applid tranid A CICS ONC RPC alias is unable to continue processing this client request as it cannot load the CICS program program. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.
Explanation
The alias has detected an internal error while trying to load the CICS program program for security checking.

System action
An svcerr_systemerr call is used to send a reply to the client. A system dump is taken. The alias abends with abend code ARPI.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPAS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. program
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. port
13. socket

Destination
CRPO

DFHRP0193  date time applid tranid A CICS ONC RPC alias is unable to continue processing this client request as it cannot load the CICS program program. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation
The alias has received a NOTAUTH response while trying to EXEC CICS LOAD the CICS program program for security checking. This indicates that it is not authorized to access this program. This error may have occurred because the local alias transaction has been defined with RESSEC=YES.

System action
An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPG.

User response
If the alias transaction must run with RESSEC=YES, add a profile to the external security manager that allows users to access the program. If you do not require resource level security, set RESSEC=NO in the alias transaction definition.

Module:
DFHRPAS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. program
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. port
13. socket

Destination
CRPO

DFHRP0194  date time applid tranid A CICS ONC RPC alias is unable to continue processing this client request as it cannot load the CICS program program. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.
**Explanation**

The alias has received an incorrect response while trying to load the CICS program `program` for security checking.

**System action**

An `svcerr_systemerr` call is used to send a reply to the client. A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:**

DFHRPAS

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `program`
6. `clientaddr`
7. `hostaddr`
8. `X'prognum'`
9. `X'versnum'`
10. `X'procnum'`
11. `protocol`
12. `port`
13. `socket`

**Destination**

CRPO

**Explanation**

The enable process has completed successfully.

**System action**

Processing continues.

**User response**

None.

**Module:**

DFHRPMS

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `hostaddr`

**Destination**

CRPO and Console

**Explanation**

The server controller has started normal disable processing following a request by a connection manager user.

**System action**

Processing continues.

**User response**

None.

**Module:**

DFHRPMS

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `hostaddr`

**Destination**

CRPO
**DFHRP0502**

*date time applid tranid CICS ONC RPC immediate disable processing has started. Host IP address: hostaddr.*

**Explanation**
The server controller has started immediate disable processing following a request by a connection manager user.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHRPMS

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *tranid*
5. *hostaddr*

**Destination**
CRPO and Console

**DFHRP0508**

*date time applid tranid The CICS ONC RPC task related user exit (DFHRPTRU) has been disabled before the server controller could start.*

**Explanation**
DFHRPTRU is enabled by the connection manager during enable processing, but DFHRPTRU was found to be disabled when the server controller started. This is probably caused by an operator manually disabling DFHRPTRU.

**System action**
The server controller abends with abend code ARP2. CICS ONC RPC remains disabled. A system dump is taken. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Reenable CICS ONC RPC. Consider taking steps to avoid future manual interference with the TRUE.

**Module:**
DFHRPMS

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *tranid*

**Destination**
CRPO

**DFHRP0509**

*date time applid tranid CICS ONC RPC has received an incorrect response on a call made to CICS during server controller startup.*

**Explanation**
CICS ONC RPC has received a response indicating an error in CICS.
System action
The server controller abends with abend code ARP2. CICS ONC RPC remains disabled. A system dump is taken. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
See the associated CICS message or messages for problem diagnosis.

Module:
DFHRPMS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CRPO

DFHRP0510 date time applid tranid The CICS ONC RPC task related user exit (DFHRPRTRU) has been deleted or disabled before the server controller could start.

Explanation
DFHRPRTRU is enabled by the connection manager during enable processing, but the server controller received an indication that:
• DFHRPRTRU is not defined to CICS, or
• it has no load module, or
• the load module is disabled.
This is probably caused by operator intervention.

System action
The server controller abends with abend code ARPQ. A system dump is taken.

User response
Reenable CICS ONC RPC. Consider taking steps to prevent future operator interference.

Module:
DFHRPMS


Explanation
The server controller used EXEC CICS LINK for converter converter_program_name to perform Decode, but received a PGMIDERR response.

System action
An svcerr_systemerr call is used to send a reply to the client.

User response
If the converter name is wrong, use the connection manager to unregister and reregister the 4-tuple with the correct converter name.

Module:
DFHRPMS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. converter_program_name
6. resp2val
7. clientaddr
8. hostaddr
9. X'prognum'
10. X'versnum'
11. X'procnun'
12. protocol
13. port
14. socket

**Destination**

CRPO

| DFHRP0516 | date time applid tranid | The CICS ONC RPC server controller obtained data length information from the Decode function of converter converter_program_name that gives a communication area length that is too great. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket. |

**Explanation**

The communication area length calculated from the decode_server_data_format, decode_server_input_data_len, and decode_server_output_data_len parameters exceeds the permitted maximum. See the Developing CICS Applications for more information about the Decode function and its parameters.

**System action**

An svcerr_systemerr call is used to send a reply to the client.

**User response**

Correct and replace the erroneous converter.

**Module:**

DFHRPMS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. converter_program_name
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. port
13. socket

**Destination**

CRPO


**Explanation**

The server controller cannot start the alias because it does not have the necessary resource-level security authorization.

**System action**

An svcerr_auth call with a why-value of AUTH_TOOWEAK is used to send a reply to the client.

**User response**

You should specify only the alias transaction IDs that server controller has resource-level security authorization to start. When CICS ONC RPC is next disabled, redefine the server controller transaction with RESSEC=NO.

**Module:**

DFHRPMS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. alias-tranid
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'
10. X'procnum'

Explanation
A client request has arrived, and the corresponding 4-tuple refers to a terminal ID that is not in the terminal control table.

System action
An svcerr_systemerr call is used to send a reply to the client.

User response
Either define the missing terminal, or change the 4-tuple definition to refer to a terminal ID that is in the terminal control table.

Module:
DFHRPMS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. alias_termid
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. port
13. socket

Destination
CRPO

DFHRP0520 date time applid tranid A CICS ONC RPC internal error has occurred while the server controller was polling for client work. Host IP address: hostaddr.

Explanation
This is an internal error.

System action
CICS ONC RPC enters exception disable processing.

User response
If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. You may need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHRPMS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. hostaddr

Destination
CRPO

DFHRP0521 date time applid tranid The CICS ONC RPC server controller detected an internal error while accessing an internal table. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket

Explanation
An internal error has occurred in the server controller while it was accessing an internal table.
System action
Processing continues.

User response
None.

Module:
DFHRPMS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. X'prognum'
8. X'versnum'
9. X'procnum'
10. protocol
11. port
12. socket

Destination
CRPO

DFHRP0528 date time applid tranid The CICS ONC RPC server controller detected an initialization error.

Explanation
This is an internal error.

System action
A system dump is taken. The server controller abends with abend code ARP2. CICS ONC RPC remains disabled. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPMS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
Destination
CRPO

DFHRP0540  
date time applid  The CICS ONC RPC server controller received an error response from TCP/IP for MVS after an svc_freeargs call issued for XDR routine: xdrname  
Client IP address: clientaddr  
Host IP address: hostaddr  
Program: X'progname'  
Version: X'versnum'  
Procedure: X'procnum'  
Protocol: protocol  
Port: port  
Socket: socket.

Explanation
The server controller cannot free storage allocated by the inbound XDR routine. An svc_freeargs returned an error response. This may be because the client associated with the call has timed out and the storage has already been freed by TCP/IP for MVS.

System action
The server controller continues to process this client request. If the message is not a result of client time-out, MVS storage associated with the request will not be freed; if errors of this kind occur frequently, they may lead to storage problems.

User response
Examine the diagnostics to determine the reason for the error. If a user-written XDR routine is being used, there may be an error in the code associated with the FREE function. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information.

Module:
DFHRPMS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. xdrname
5. clientaddr
6. hostaddr
7. X'progname'
8. X'versnum'
9. X'procnum'
10. protocol
11. port
12. socket

Destination
CRPO

DFHRP0545  
date time applid tranid  The CICS ONC RPC server controller is unable to send an error reply to the client due to an error in reply processing. The transport handle was invalid or not found.

Client IP address: clientaddr  
Host IP address: hostaddr  
Program: X'prognum'  
Version: X'versnum'  
Procedure: X'procnum'  
Protocol: protocol  
Port: port  
Socket: socket.

Explanation
The server controller cannot send an error reply to the client because the transport handle is not valid.

System action
The client request is abandoned, and no reply is sent to the client.

User response
Examine the diagnostics to determine the reason for the error. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. You may need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHRPM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. X'prognum'
8. X'versnum'
9. X'procnum'
10. protocol
11. port
12. socket
The CICS ONC RPC server controller is unable to send an error reply to the client because CICS ONC RPC is disabling. Client IP address: \textit{clientaddr} Host IP address: \textit{hostaddr} Program: \texttt{X'prognum'} Version: \texttt{X'versnum'} Procedure: \texttt{X'procnum'} Protocol: \texttt{protocol} Port: \texttt{port} Socket: \texttt{socket}.

**Explanation**

The server controller cannot send a reply to the client, because it received an error response from the RPC caller.

**System action**

The client request is abandoned, and no reply is sent to the client. The server controller attempts to deal with requests from other clients, but may experience further RPC caller errors.

**User response**

Examine the exception trace to determine the reason for the error. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. You may need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHRPM

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. \texttt{X'prognum'}
8. \texttt{X'versnum'}
9. \texttt{X'procnum'}
10. protocol
11. port
12. socket
Explanation

The server controller sent an error reply to the client. After this reply was sent, the server controller received an error response when attempting to free storage associated with the client call.

System action

Processing continues as if the error had not occurred.

User response

Examine the diagnostics to determine the reason for the error. You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHRPMS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr
7. X'prognum'
8. X'versnum'
9. X'procnum'
10. protocol
11. port
12. socket

Destination

CRPO

DFHRP0559  date time applid tranid The CICS ONC RPC server controller found that the RP task control block is not available. Host IP address: hostaddr.

Explanation

The RP TCB is not available.

System action

A system dump is taken. The server controller abends with abend code ARP2. CICS ONC RPC is disabled. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module: DFHRPMS

DFHRP0570  date time applid tranid The CICS ONC RPC server controller has encountered an internal error while trying to disable its task related user exit.

Explanation

An attempt to disable the task-related user exit during disable processing has failed because of an internal error.

System action

A system dump is taken. Disable processing continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.
given in message DFHME0116. It will aid problem determination.

**Module:**
DFHRPMS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. hostaddr

**Destination**
CRPO

**Message:**

**DFHRP0574**

*date time applid tranid* The CICS ONC RPC server controller has encountered an internal error while waiting for work. Host IP address: *hostaddr*.

**Explanation**

CICS ONC RPC is unable to continue because of an internal error in the server controller.

**System action**

In some circumstances, a system dump is taken. CICS ONC RPC is disabled. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:**
DFHRPMS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. hostaddr

**Destination**
CRPO

**Message:**

**DFHRP0589**

*date time applid tranid* The CICS ONC RPC server controller cannot enable CICS ONC RPC because it is not defined with the authority to access the task-related user exit.

**Explanation**

The server controller cannot access the task-related user exit. This error can arise only if the supplied definitions for the server controller have been changed.

**System action**

The server controller abends with abend code ARP2. CICS ONC RPC remains disabled.

**User response**

Ensure that the supplied definitions for the server controller are used, and reenable CICS ONC RPC.

**Module:**
DFHRPMS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**
CRPO

**Message:**

**DFHRP0590**

*date time applid tranid* The CICS ONC RPC server controller has received an unexpected response on a call to CICS during CICS ONC RPC enable processing.

**Explanation**

CICS ONC RPC enable processing cannot continue because of an error in CICS.

**System action**

A system dump is taken. The server controller abends with abend code ARP2. CICS ONC RPC remains disabled. Message DFHME0116, which contains the symptom string for this problem, is produced.
User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPMS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CRPO
DFHRP0591 date time applid tranid CICS ONC RPC could not be enabled because of an internal error in the server controller.

Explanation
The server controller cannot continue because of an internal error.

System action
CICS ONC RPC is disabled.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHRPMS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. hostaddr

Destination
CRPO

Explanation
The server controller used EXEC CICS LINK to access the converter for Decode processing, but got an error response that indicated that the converter was defined as remote. Data pointers are passed to and from the
converter, and the referenced data can only be used if the converter runs in the local CICS region.

**System action**
A system dump is taken. An `svcerr_systemerr` call is used to send a reply to the client. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Install and define the converter program in the same CICS region as CICS ONC RPC.

**Module:**
DFHRPMS

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. converter_program_name
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. port
13. socket

**Destination**
CRPO

**DFHRP0620**

| date time applid tranid | The CICS ONC RPC server controller received an unexpected response from CICS when attempting to access converter converter_program_name. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket. |

**Explanation**
A client request has failed because of an error in CICS.

**System action**
A system dump is taken. An `svcerr_systemerr` call is used to send a reply to the client. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
See the associated diagnostics issued by CICS for problem determination.

**Module:**
DFHRPMS

**Explanation**
The server controller cannot access the converter. This error can arise only if the supplied definitions for the server controller have been changed.

**System action**
A system dump is taken. An `svcerr_systemerr` call is used to send a reply to the client. Message
DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Ensure that the supplied definitions for the server controller are used, and reenable CICS ONC RPC.

**Module:**

DFHRPMS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. converter_program_name
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. port
13. socket

**Destination**

CRPO

**Explanation**

Decode returned URP_EXCEPTION with a reason of URP_CORRUPT_CLIENT_DATA.

**System action**

An svcerr_decode call is used to send a reply to the client.

**User response**

Correct and replace the converter program in question.

**Module:**

DFHRPMS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. converter_program_name
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. port
13. socket

**Destination**

CRPO

**Explanation**

Decode returned an unexpected response.

**System action**

An svcerr_systemerr call is used to send a reply to the client.

**User response**

Correct and replace the converter program in question.
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. converter_program_name
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. port
13. socket

Destination

CRPO


Explanation

Decode returned URP_EXCEPTION with a reason of URP_AUTH_TOOWEAK.

System action

An svcerr_auth call with a why-value of AUTH_TOOWEAK is used to send a reply to the client.

User response

If the client should be authorized to make this request, compare the client program and the converter, and change one or the other so that authentication requirements match.

Module:
DFHRPMS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. converter_program_name

Explanation

Decode returned URP_INVALID.

System action

An svcerr_systemerr call is used to send a reply to the client.

User response

If the reason code returned has a user-defined meaning act accordingly. If the reason code does not have a user-defined meaning, fix the problem with the converter and replace it.

Module:

DFHRPMS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. converter_program_name
6. decode_reason

Explanation

Decode returned URP_EXCEPTION with an unrecognized reason code.

System action

An svcerr_systemerr call is used to send a reply to the client.

User response

If the reason code was not recognized. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Module:

DFHRPMS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. converter_program_name
6. clientaddr

An incoming client request could not be processed because there was insufficient storage available.

An svcerr_systemerr call is used to send a reply to the client.

If this error occurs persistently, you may need to customize your CICS system to cure the lack of storage.

Correct and replace the converter.

DFHRP0635

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. converter_program_name
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. port
The CICS ONC RPC server controller was unable to process an incoming client request due to an internal error.

**Explanation**

An internal error has forced CICS ONC RPC to abandon a client request.

**System action**

An `svcerr_systemerr` call is used to send a reply to the client.

**User response**

You need further assistance from IBM to resolve this problem.

**Module:** DFHRPMS

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `clientaddr`
6. `hostaddr`
7. `X'prognum'`
8. `X'versnum'`
9. `X'procnum'`
10. `protocol`
11. `port`
12. `socket`

**Destination**

CRPO

---

The CICS ONC RPC server controller received an incorrect response on a call made to CICS.

**Explanation**

An incoming client request could not be processed because an unexpected error occurred when obtaining storage to process the request.

**System action**

An `svcerr_systemerr` call is used to send a reply to the client. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

You need assistance from IBM to resolve this problem.

**Module:** DFHRPMS

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `eibresp`
6. `eibresp2`
7. `clientaddr`
8. `hostaddr`
9. `X'prognum'`
10. `X'versnum'`
11. `X'procnum'`
12. `protocol`
13. `port`
14. `socket`

---

**DFHRP0637**

`date time applid tranid` The CICS ONC RPC server controller was unable to process an incoming client request due to an internal error. `clientaddr` Host IP address: `hostaddr` Program: `X'prognum'` Version: `X'versnum'` Procedure: `X'procnum'` Protocol: `protocol` Port: `port` Socket: `socket`.

**DFHRP0638**

`date time applid tranid` The CICS ONC RPC server controller was unable to process an incoming client request due to an unexpected error detected when acquiring storage. `eibresp eibresp2 eibresp2` Client IP address `clientaddr` Host

**DFHRP0639**

`date time applid tranid` The CICS ONC RPC server controller received an incorrect response on a call made to CICS.
Explanation
The server controller has received a response that indicates a logic error while calling CICS to establish its initialization information.

System action
The server controller abends with abend code ARP2. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHRPAS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CRPO


Explanation
An internal error has prevented the server controller from starting the alias transaction.

System action
An svcerr_systemerr call is used to send a reply to the client.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHRPMS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. alias_tranid
6. hostaddr
7. prognum
8. versnum
9. protocol
10. port
11. socket
12. clientaddr

Chapter 2. CICS messages 1697
The CICS ONC RPC server controller encountered an internal error while attempting to start an alias transaction. Client IP address: 
Host IP address: 
Program: X'prognum' 
Version: X'versnum' 
Procedure: X'procnum' 
Protocol: protocol 
Port: 
Socket: socket.

Explanation
An internal error has prevented the server controller from starting an alias transaction.

System action
A system dump is taken. An svcerr_systemerr call is used to send a reply to the client. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPMS

XMEOUT parameters/Message inserts
1. date 
2. time 
3. applid 
4. tranid 
5. clientaddr 
6. hostaddr 
7. X'prognum' 
8. X'versnum' 
9. X'procnum' 
10. protocol 
11. port 
12. socket
The CICS ONC RPC server controller detected an error while starting alias transaction alias_tranid. The error indicated that the transaction is remote. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation
The alias transaction is defined as remote, but aliases must run in the same CICS region as CICS ONC RPC.

System action
A system dump is taken. An svcerr_systemerr call is used to send a reply to the client. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Define the alias as a local transaction.

Module: DFHRPMS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. alias_tranid
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. port
13. socket

Destination CRPO


Explanation
An attempt by a user ID to access an alias transaction failed because of a security check. This may not be an error as you may wish to prevent the client involved from accessing the alias transaction.

System action
An svcerr_auth call with a why-value of AUTH_TOOWEAK is used to send a reply to the client.

User response
If you wish the user ID to access the alias, reenable CICS ONC RPC with a different value for CRPM Userid, or alter your surrogate user ID tables.

Module: DFHRPMS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. alias-tranid
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. port
13. socket

Destination CRPO

Explanation
A client request has failed because of an error in CICS.

System action
A system dump is taken. An svcerr_systemerr call is used to send a reply to the client. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
See the associated diagnostics issued by CICS for problem determination.

Module:
DFHRPMS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. alias-tranid
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. port
13. socket

Destination
CRPO

DFHRP0691 date time applid tranid The CICS ONC RPC server controller found that the user ID attempting to access alias transaction alias-tranid is not known to the external security manager. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation
The server controller could not start the alias with the user ID because the user ID is not known to the external security manager.

System action
An svcerr_auth call with a why-value of AUTH_TOOWEAK is used to send a reply to the client.

User response
If you wish the alias to run under this user ID, define the userid to the external security manager, and change your surrogate user ID tables.

Module:
DFHRPMS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. alias-tranid
6. clientaddr
7. hostaddr
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. port
13. socket

Destination
CRPO

DFHRP0692 date time applid tranid The CICS ONC RPC server controller found that the external security manager cannot validate the user ID for alias transaction alias-tranid. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.
Explanation
An attempt to start the alias with an alias user ID failed as the external security manager cannot determine whether the user ID is valid.

System action
An \texttt{svcerr\_systemerr} call is used to send a reply to the client.

User response
Determine the reason why the external security manager was unable to perform the request.

Module:
DFHRPMS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. alias\_tranid
6. clientaddr
7. hostaddr
8. \texttt{X'prognum'}
9. \texttt{X'versnum'}
10. \texttt{X'procnum'}
11. protocol
12. port
13. socket

Destination
CRPO

\textbf{DFHRP0694} \texttt{date time applid tranid} The CICS ONC RPC server controller could not start alias transaction alias\_tranid because it is not defined. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation
The alias transaction alias\_tranid is missing or is not correctly defined.

System action
Disable processing continues.

User response
See the associated diagnostics for further information about the error.

Module:
DFHRPMS

\textbf{DFHRP0697} \texttt{date time applid tranid} The CICS ONC RPC server controller has started exception disable of CICS ONC RPC. Host IP address: hostaddr.

Explanation
The server controller has started an exception disable of CICS ONC RPC following an error during its operation. The error has already been reported.
XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. hostaddr

Destination
CRPO

DFHRP0723  date time applid tranid The CICS ONC RPC server controller has detected an error when attempting to shut down the RPC caller.

Explanation
During CICS ONC RPC disable processing, the server controller shuts down the RPC Caller, but received an error response.

System action
Disable processing continues.

User response
If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHRPMS

DFHRP0724  date time applid tranid The CICS ONC RPC server controller has detected an error when attempting to issue a FREEMAIN for the RPC caller program.

Explanation
During CICS ONC RPC disable processing, the server controller issues a FREEMAIN for the RPC caller program to remove it from storage, but received an error response. This could either be as a result of problems with CICS which will probably be reflected in CICS diagnostics, or as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics.

System action
Disable processing continues.

User response
It might not be possible to reenable CICS ONC RPC without restarting CICS. If this error is not associated...
with others, you need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHRPMS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**

CRPO

**Explanation**

During disable processing, the server controller found that the task-related user exit is in use by another task.

**Explanation**

During disable processing, the server controller found that the task-related user exit was already disabled.

**System action**

Disable processing continues.

**User response**

Take steps to prevent operator interference with the task-related user exit.

**Module:** DFHRPMS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**

CRPO

**Explanation**

During disable processing, the server controller found that the task-related user exit has already been disabled.

**System action**

Disable processing continues.

**User response**

Investigate whether the operator has disabled the task related user exit DFHRPTRU for any reason.

**Module:** DFHRPMS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**

CRPO

**Explanation**

During disable processing, the server controller found that the task-related user exit was already disabled or that it has not been defined as an exit. This is probably the result of operator intervention.

**System action**

Disable processing continues.

**User response**

Take steps to prevent operator interference with the task-related user exit.

**Module:** DFHRPMS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**

CRPO

**Explanation**

An error occurred in CICS when the server controller tried to disable the task-related user exit during CICS ONC RPC disable processing.

**System action**

A system dump is taken. Disable processing continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

See the associated diagnostics issued by CICS for problem determination.
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid

Destination

CRPO

DFHRP0729  

date time applid tranid The CICS ONC RPC server controller has detected an internal error during disable processing.

Explanation

CICS ONC RPC has detected an internal error during disable processing.

System action

Disable processing continues.

User response

If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module:

DFHRPMS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid

Destination

CRPO

DFHRP0730  

date time applid tranid The CICS ONC RPC server controller does not have authorization to access the task-related user exit.

Explanation

During disable processing, the server controller found that it did not have the authorization to access the task-related user exit. This problem arises if the supplied definitions of the server controller are changed. Changes to these definitions are not allowed.

System action

Disable processing continues.

User response

Ensure that the supplied definitions for the server controller are used, and reenable CICS ONC RPC.

Module:

DFHRPMS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid

Destination

CRPO

DFHRP0731  

date time applid tranid The CICS ONC RPC server controller has detected an internal error during disable processing.

Explanation

CICS ONC RPC has detected an internal error during disable processing.

System action

Disable processing continues.

User response

If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module:

DFHRPMS

XMEOUT parameters/Message inserts

1. date
Explanation
An error has occurred in Decode in converter converter_program_name. Because the converter does not contain HANDLE ABEND logic, the error has percolated to the server controller.

System action
An svcerr_systemerr call is used to send a reply to the client.

User response
Correct the error in the converter. Add handle abend logic to the converter so that it can handle its own errors, and replace it.

Module:
DFHRPMS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. converter_program_name
6. clientaddr
7. hostaddr
8. 'prognum'
9. 'versnum'
10. 'procnum'
11. protocol
12. port
13. socket
**System action**
A system dump is taken. An `svcerr_systemerr` call is used to send a reply to the client. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:**
DFHRPMS

**XMEOUT parameters/Message inserts**
- `date`
- `time`
- `applid`
- `tranid`
- `clientaddr`
- `hostaddr`
- `X'prognum'`
- `X'versnum'`
- `X'procnum'`
- `protocol`
- `port`
- `socket`

**Destination**
CRPO

**DFHRP0741**
```
  date time applid tranid
```
The CICS ONC RPC server controller is abending with abend code ARP4.

**Explanation**
The server controller encountered an error and cannot continue.

**System action**
CICS ONC RPC is disabled. CICS ONC RPC has already issued other diagnostics giving further information about the error. The server controller abends with abend code ARP4.

**User response**
See the associated diagnostics and the description of abend code ARP4 for further guidance.

**Module:**
DFHRPMS

**XMEOUT parameters/Message inserts**
- `date`
- `time`
- `applid`
- `tranid`
The CICS ONC RPC server controller is abending with abend code ARP2.

**Explanation**
The server controller encountered an error and cannot continue.

**System action**
The server controller abends with abend code ARP2. CICS ONC RPC is disabled.

**User response**
See the associated diagnostics and the description of abend code ARP2 for further guidance.

**Module:**
DFHRPMS

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid

---

**Destination**
CRPO

**DFHRP0749**    date time applid tranid
The CICS ONC RPC server controller has encountered an internal error when no client request was being processed. Host IP address: hostaddr.

**Explanation**
An internal error has occurred in the server controller. No client requests are affected.

**System action**
A system dump is taken. The server controller continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:**
DFHRPMS

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. hostaddr

---

**Destination**
CRPO

**DFHRP1000**    date time applid tranid
The CICS ONC RPC RPC caller is initializing.
Explanation
The server controller has started initialization of the RPC caller.

System action
Processing continues.

User response
None.

Module:
DFHRPRP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CRPO
DFHRP1001 Date time applid The CICS ONC RPC RPC caller has been initialized successfully.

Explanation
The RPC caller has been initialized, and it is now ready for use.

System action
Processing continues.

User response
None.

Module:
DFHRPRP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CRPO
DFHRP1500 Date time applid tranid Invalid data has been entered in fieldfieldname.

Explanation
Termination of the RPC caller has started.

System action
Processing continues.

User response
None.

Module:
DFHRPRP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CRPO
DFHRP1003 Date time applid The CICS ONC RPC RPC caller has successfully shutdown.

Explanation
Termination of the RPC caller has completed.

System action
Processing continues.

User response
None.

Module:
DFHRPRP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CRPO
DFHRP1002 Date time applid The CICS ONC RPC RPC caller is shutting down.
Explanation
Invalid data was entered on a connection manager panel in field fieldname.

System action
The panel is redisplayed and the field in error is highlighted.

User response
Enter valid data in the field indicated. See the CICS documentation for further guidance.

Module:
DFHRPC06, DFHRPC10, DFHRPC0A, DFHRPC1B

Destination
Terminal End User

DFHRP1501 date time applid tranid The value entered in field fieldname exceeds the maximum allowed.

Explanation
The value entered on a connection manager panel in field fieldname exceeds the maximum allowed.

System action
The panel is redisplayed and the field in error is highlighted.

User response
Enter valid data in the field indicated. See the CICS documentation for further guidance.

Module:
DFHRPC0B

Destination
Terminal End User

DFHRP1505 date time applid tranid The CICS ONC RPC connection manager has not been started correctly.

Explanation
The connection manager has been started from a non-BMS terminal but is not being used to enable or disable CICS ONC RPC.

System action
The connection manager terminates.

User response
The connection manager can be used as follows from a non-BMS terminal:
- If CICS ONC RPC is disabled, the connection manager can be used for automatic enable, either by setting automatic enable to YES on the CICS ONC RPC data set or by entering a fast path command with YES for automatic enable.
- If CICS ONC RPC is enabled, the connection manager can be used for disable by entering a valid disable fast path command.

See the CICS documentation for guidance on how to start the connection manager.

Module:
DFHRPC01

XMEOUT parameters/Message inserts
1. date  
2. time  
3. applid  
4. tranid  

Explanation
The connection manager was attempting to retrieve any fast path commands that may have been specified when it was initiated. The connection manager issued an EXEC CICS GETMAIN command, but received the response eibresp.

System action
A system dump is taken. The connection manager continues but any fast path commands are ignored. Message DFHME0116, which contains the symptom string for this problem, is produced.
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:** DFHRPC01

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. eibresp

**Destination**
CRPO

**DFHRP1507** *date time applid tranid* An invalid CICS ONC RPC fast path command has been entered: *fastpath_command*

**Explanation**

The connection manager was started by entering a fast path command, but the format of the command was invalid.

**System action**

The connection manager is started, but fast path commands are ignored.

**User response**

Enter a valid fast path command. See the CICS documentation for further guidance.

**Module:** DFHRPC01

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. fastpath_command

**Destination**
CRPO

**DFHRP1508** *date time applid tranid* The CICS ONC RPC connection manager has not been started correctly.

**Explanation**

The connection manager was attempting to retrieve any fast path commands that may have been specified when it was initiated, but detected an invalid STARTCODE indicator.

**System action**

The connection manager continues but any fast path commands are ignored.

**User response**

See the CICS documentation for guidance on how to start the connection manager. If the connection manager was started correctly, you need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHRPC01

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**
CRPO

**DFHRP1509** *date time applid tranid* The CICS ONC RPC connection manager detected an error attempting to retrieve any fast path data. EIBRESP: *eibresp*.

**Explanation**

The connection manager was attempting to retrieve any fast path commands that may have been specified when it was initiated using an EXEC CICS START command. The connection manager issued an EXEC CICS RETRIEVE command, but received the response *eibresp*.
**System action**
A system dump is taken. The connection manager continues but any fast path commands are ignored. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:** DFHRPC01

---

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. filename
6. eibresp

**Destination**
CRPO

**Explanation**
The connection manager could not access the CICS ONC RPC data set, CICS file filename. An EXEC CICS READ was issued, but received the response eibresp. The data set has not been correctly defined to CICS for one of the following reasons:

- No file definition has been found for filename. CICS ONC RPC has therefore not been installed correctly.
- READ operations are not allowed on the file.
- The file is DISABLED, either due to an incorrect file definition, or due to operator intervention.
- The file cannot be opened because it has not been defined correctly, or because it has been closed by operator intervention.
- The connection manager transaction, or the user running it, does not have the necessary level of authority to access the file.

**System action**
The requested operation is not performed.

**User response**
Use Appendix A of the CICS Application development reference manual to find out what the EIBRESP value means, and take appropriate action.

**Module:** DFHRPC09

---

**Destination**
CRPO

**Explanation**
The connection manager received an unexpected error when accessing the CICS ONC RPC data set, CICS file filename. This is a logic error. The connection manager has received an unexpected response from CICS following an EXEC CICS command.

**System action**
A system dump is taken. The requested operation is not performed. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:** DFHRPC09
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. filename

**Destination**

CRPO

**DFHRP1512**

```
 date time applid tranid
```
The CICS ONC RPC connection manager cannot access the CICS ONC RPC data set, CICS file `filename`.

**Explanation**

The connection manager could not access the CICS ONC RPC data set, CICS file `filename`. The data set has not been correctly defined to CICS for one of the following reasons:

- No file definition has been found for `filename`. CICS ONC RPC has therefore not been installed correctly.
- READ operations are not allowed on the file.
- The file has been disabled, either due to an incorrect data set definition, or due to operator intervention.
- The file cannot be opened because it has not been defined correctly, or because it has been closed by operator intervention.
- The connection manager transaction, or the user running the connection manager, does not have the necessary level of authority to access the file.

**System action**

The message is displayed at the terminal.

**User response**

Ensure that all the CEDA groups for CICS ONC RPC have been installed correctly.
Investigate whether the operator has changed the status of the file for any reason.

**Module:**

DFHRPC01

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. filename

**Destination**

CRPO

**DFHRP1513**

```
 date time applid tranid
```
The CICS ONC RPC connection manager has detected invalid data in the definition record of the CICS ONC RPC data set, CICS file `filename`.

**Explanation**

The connection manager detected an error in the definition record in the CICS ONC RPC data set.

**System action**

A system dump is taken. CICS ONC RPC is disabled. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Ensure that the first record in the data set has been correctly initialized. You can do this by manually updating the record (see the CICS documentation for further guidance), or by deleting the first record in the data set, and rerunning the connection manager. This creates a new definition record using the default settings which can then be updated using the connection manager panels.

**Module:**

DFHRPC01

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. filename

**Destination**

CRPO

**DFHRP1514**

```
 date time applid tranid
```
The CICS ONC RPC connection manager has detected that the CICS ONC RPC global work area does not have the expected length.
Explanation

The connection manager detected that the length of the associated global work area is not correct.

System action

A system dump is taken. CICS ONC RPC is disabled. It is not possible to enable CICS ONC RPC until the problem is resolved. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Make sure that no user-written version of program DFHRPTRU is being used. Only the CICS ONC RPC supplied program can be used with CICS ONC RPC. Similarly, the CICS ONC RPC supplied task-related user exit DFHRPTRU should only be enabled and disabled by the connection manager. It should not be necessary to enable or disable DFHRPTRU in any other way.

Module:
DFHRPC01

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid

Destination
CRPO

DFHRP1515 date time applid tranid The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file filename. EIBRESP: eibresp.

Explanation

The connection manager found that the CICS ONC RPC definition record is missing from the CICS ONC RPC data set, CICS file filename, while processing a request to update this record.

System action

A system dump is taken. The connection manager panel is redisplayed. The CICS ONC RPC definition record cannot be updated. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Investigate the reason why this record does not exist. You must create a new CICS ONC RPC definition record with the connection manager.

Module:
DFHRPC09
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. filename

**Destination**

CRPO

**DFHRP1518**  

*date time applid tranid The CICS ONC RPC connection manager cannot find the global work area.*

**Explanation**

The connection manager cannot access its global work area.

**System action**

A system dump is taken. The connection manager continues, but CICS ONC RPC cannot be enabled. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

End the connection manager. Ensure that all the CEDA groups containing the CICS ONC RPC definitions have been installed correctly. Then try running the connection manager again.

Investigate whether the operator has disabled the task-related user exit DFHRPTRU.

**Module:** DFHRPC01

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**

CRPO

**DFHRP1520**  

*date time applid tranid The CICS ONC RPC connection manager is not authorized to access its task related user exit. EIBRESP2: eibresp2.*

**Explanation**

The connection manager used EXEC CICS EXTRACT EXIT to find the task-related user exit, but got a NOTAUTH response.

**System action**

A system dump is taken. CICS ONC RPC is disabled. Message DFHME0116, which contains the symptom string for this problem, is produced.
User response
Use the EIBRESP2 value to identify the problem.

Module:
DFHRPC01

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. eibresp2

Destination
CRPO

DFHRP1521  date time applid tranid The CICS ONC RPC connection manager cannot access its task related user exit.

Explanation
The connection manager cannot access the task related user exit. It received an unexpected response to an EXEC CICS EXTRACT EXIT call.

System action
A system dump is taken. CICS ONC RPC is disabled. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPC01

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CRPO

DFHRP1522  date time applid tranid The CICS ONC RPC connection manager has been started against an invalid terminal.

Explanation
The connection manager has been started against a terminal that is not supported, for example, an LUTYPE6 terminal.

System action
The connection manager abends with abend code ARPX.

User response
Start the connection manager against a valid terminal. See the CICS documentation for further guidance on starting the connection manager.

Module:
DFHRPC01

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CRPO

DFHRP1523  date time applid tranid CICS ONC RPC cannot be enabled because the connection manager cannot access the task-related user exit DFHRPTRU.

Explanation
The connection manager could not enable CICS ONC RPC because an error occurred accessing the task related user exit DFHRPTRU.

System action
A system dump is taken. This instance of connection manager can only be used to inquire on, or update the CICS ONC RPC data set. Message DFHME0116,
which contains the symptom string for this problem, is produced.

**User response**

See the CRPO transient data queue for messages indicating the nature of the error, and take the appropriate action. Then restart the connection manager transaction and select the enable option again.

**Module:** DFHRPC01

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**

CRPO

**DFHRP1524**  
`date time applid tranid`  
CICS ONC RPC cannot be enabled because the server controller is already running.

**Explanation**

The connection manager detected that the task-related user exit DFHRPTRU is disabled, but the server controller transaction is still running.

**System action**

A system dump is taken. This instance of connection manager can only be used to inquire on, or update, the CICS ONC RPC data set. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Investigate why the last attempt to disable CICS ONC RPC did not complete successfully. Investigate the possibility of operator intervention.

Once you have established that it is safe to continue, use CEMT SET TASK or EXEC CICS SET TASK to purge the server controller. Then run the connection manager again to enable CICS ONC RPC.

**Module:** DFHRPC01

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**

CRPO

**DFHRP1525**  
`date time applid tranid`  
The CICS ONC RPC connection manager received an unexpected response from CICS.

**Explanation**

The connection manager detected a logic error. It received an unexpected response to a CICS command.

**System action**

A system dump is taken. Processing continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:** DFHRPC01

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**

CRPO

**DFHRP1526**  
`date time applid tranid`  
The CICS ONC RPC connection manager found that the task-related user exit is enabled, but the server controller is not running.
Explanation
The connection manager has detected that the task-related user exit DFHRPTRU is enabled, but the server controller is not running. This means that CICS ONC RPC is in an indeterminate state.

System action
This instance of connection manager can only be used to inquire on, or update, the CICS ONC RPC data set.

User response
Investigate whether the previous attempt to disable CICS ONC RPC completed successfully. Alternatively, the server controller task may have been forcepurged by the operator.

Once you have established that it is safe to continue, try running the connection manager again and enabling CICS ONC RPC.

Module:
DFHRPC01

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CRPO

DFHRP1527  date time applid tranid  CICS ONC RPC cannot be enabled because disable processing has not completed.

Explanation
CICS ONC RPC is being disabled.

System action
The current instance of CICS ONC RPC is disabled.

User response
Wait for disable to complete before attempting to enable the CICS ONC RPC again.

Module:
DFHRPC4C

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CRPO and Terminal End User

DFHRP1528  date time applid tranid  The CICS ONC RPC connection manager detected an error while initializing the RPC caller component during CICS ONC RPC enable processing.

Explanation
The RPC caller could not be started.

System action
The enable attempt is abandoned.

User response
If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHRPC4C

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CRPO and Terminal End User

DFHRP1529  date time applid tranid  The CICS ONC RPC connection manager detected an error in enable processing. Host IP address hostaddr.
Explanation
The connection manager discovered a storage problem while trying to enable CICS ONC RPC.

System action
A system dump is taken. The enable attempt is abandoned. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
See the associated diagnostics issued by CICS for problem determination.
See the Troubleshooting and support for guidance on dealing with storage problems.

Module: DFHRPC4C

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. hostaddr

Destination
CRPO and Terminal End User

DFHRP1530 date time applid tranid The CICS ONC RPC connection manager detected a CICS short on storage condition during initialization of the RPC caller component. Host IP address hostaddr.

Explanation
The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file filename. EIBRESP: eibresp.

The error can occur for one of the following reasons:
• No file definition has been found for the file, implying that CICS ONC RPC has not been installed correctly.
• Write operations are not allowed, implying that CICS ONC RPC has not been installed correctly.
• The file is DISABLED, either due to an incorrect file definition, or due to operator intervention.
• The file is NOTOPEN, either due to an incorrect file definition or due to operator intervention.
• Write operations are not authorized, implying that security has not been set up correctly.

System action
The requested operation is not performed.

User response
Use Appendix A of the CICS Application development reference manual to find out what the EIBRESP value means, and take appropriate action.

Module: DFHRPC09

XMEOUT parameters/Message inserts
1. date
2. time
The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file filename. EIBRESP: eibresp.

Explanation

The connection manager could not access the CICS ONC RPC data set, CICS file filename. An EXEC CICS WRITE was issued, but received the response eibresp. The error can occur for one of the following reasons:

- The file is defined as remote, and there is an error on the connection to the owning system.
- VSAM has returned an unexpected response to CICS.
- An I/O error occurred on the WRITE.
- There is insufficient space available on the DASD device containing the data set.

System action

A system dump is taken. The requested operation is not performed. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Use Appendix A of the CICS Application development reference manual to find out what the EIBRESP value means, and take appropriate action.

Module:
DFHRPC09

XMEOUT parameters/Message inserts

- date
- time
- applid
- tranid
- filename
- eibresp

Destination
CRPO

The connection manager has detected a logic error while accessing the CICS ONC RPC data set, CICS file filename.

Explanation

The connection manager used EXEC CICS WRITE to update the CICS ONC RPC data set, but received an unexpected response. This is a logic error.

System action

A system dump is taken. The requested operation is not performed. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPC09

XMEOUT parameters/Message inserts

- date
- time
- applid
- tranid
- filename

Destination
CRPO

The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file filename. EIBRESP: eibresp.

Explanation

The connection manager could not access the CICS ONC RPC data set, CICS file filename. An EXEC CICS WRITE was issued, but received the response eibresp. The error can occur for one of the following reasons:

- The file is defined as remote, and there is an error on the connection to the owning system.
VSAM has returned an unexpected response to CICS.
An I/O error occurred on the WRITE.
There is insufficient space available on the DASD device containing this file.

**System action**
A system dump is taken. The 4-tuple definition is not saved in the data set. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Use Appendix A of the CICS Application development reference manual to find out what the EIBRESP value means, and take appropriate action.

**Module:**
DFHRPC09

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. filename
6. eibresp

**Destination**
CRPO

**DFHRP1536**

| data time applid tranid | There was no entry for this 4-tuple in the CICS ONC RPC data set, CICS file filename. |

**Explanation**
The connection manager did not find this 4-tuple in the CICS ONC RPC data set.

**System action**
None.

**User response**
Enter a 4-tuple that has already been saved in the data set.

**Module:**
DFHRPC09

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. filename

**Destination**
CRPO

**DFHRP1538**

| data time applid tranid | The CICS ONC RPC connection manager found no records on the CICS ONC RPC data set, CICS file filename. |

**Explanation**
The connection manager was processing a request to register 4-tuples, but found no records on the CICS ONC RPC data set. The CICS ONC RPC definition record is missing.
System action
A system dump is taken. No 4-tuples are registered. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Investigate the reason why there are no records. You must use the connection manager to create a new one.

Module: DFHRPC09

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. filename

Destination
CRPO

DFHRP1539  date  time  applid  tranid  The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file filename, while registering 4-tuples from the data set. EIBRESP: eibresp.

Explanation
The connection manager could not access the CICS ONC RPC data set.
The error occurred while processing a request to register 4-tuples from the data set. Associated message DFHRP1545 may have been issued to indicate the number of 4-tuples that were registered.

An EXEC CICS STARTBR, EXEC CICS READNEXT, or EXEC CICS ENDBR was issued, but received the response eibresp. The error can occur for one of the following reasons:
• No file definition has been found for the file, implying that CICS ONC RPC has not been installed correctly.
• BROWSE or READ operations are not allowed, implying that CICS ONC RPC has not been installed correctly.
• The file is DISABLED, either due to an incorrect file definition, or due to operator intervention.
• The file is NOTOPEN, either due to an incorrect file definition, or due to operator intervention.

• BROWSE or READ operations are not authorized, implying that security has not been set up correctly.

System action
A system dump is taken. The connection manager cannot register 4-tuples from the data set. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Use Appendix A of the CICS Application development reference manual to find out what the EIBRESP value means, and take appropriate action.

Module: DFHRPC09

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. filename
6. eibresp

Destination
CRPO

DFHRP1540  date  time  applid  tranid  The CICS ONC RPC connection manager detected a logic error.

Explanation
The connection manager received an unexpected response from CICS following an EXEC CICS command.

System action
A system dump is taken. The connection manager abends with abend code ARPV. The other components of CICS ONC RPC continue. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string.
The CICS ONC RPC connection manager detected a logic error.

**Explanation**
The connection manager received an unexpected response from CICS following an EXEC CICS command.

**System action**
A system dump is taken. The enable attempt is abandoned. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:**
DFHRPC4C
**DFHRP1543** date time applid tranid The CICS ONC RPC connection manager detected a logic error while accessing the CICS ONC RPC data set, CICS file *filename*, while registering 4-tuples from the data set.

**Explanation**
The connection manager has detected an error while accessing the CICS ONC RPC data set. This is a logic error since connection manager has received an unexpected response from CICS following an EXEC CICS STARTBR, EXEC CICS READNEXT or EXEC CICS ENDBR command.

The error occurred while processing a request to register 4-tuples from the data set. Associated message DFHRP1545 may have been issued to indicate the number of 4-tuples that were registered.

**System action**
A system dump is taken. The connection manager cannot register 4-tuples from the data set. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:** DFHRPC09

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. filename

**Destination**
CRPO

**DFHRP1544** date time applid tranid The CICS ONC RPC connection manager has completed registration of 4-tuples from the CICS ONC RPC data set, CICS file *filename*. Successful registers: *count1*. Unsuccessful registers: *count2*.

**Explanation**
The connection manager has finished registering 4-tuples from the CICS ONC RPC data set, CICS file *filename*. *count1* indicates the number of 4-tuples that have been successfully registered. *count2* indicates the number of 4-tuples that were not registered.

**System action**
No further action.

**User response**
No further action.
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. filename
6. count1
7. count2

Destination
CRPO

DFHRP1546 date time applid tranid The CICS ONC RPC connection manager found no 4-tuple records on the CICS ONC RPC data set, CICS file filename.

Explanation
The connection manager was processing a request to register 4-tuples from the CICS ONC RPC data set, but found no 4-tuple records in it.

System action
No 4-tuples are registered.

User response
Store some 4-tuple definitions in the data set before requesting this option.

Module: DFHRPC09

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. filename

Destination
CRPO

DFHRP1547 date time applid tranid The CICS ONC RPC connection manager detected an internal error while registering 4-tuples from the CICS ONC RPC data set, CICS file filename.

Explanation
The connection manager detected an internal error while processing a request to register 4-tuple from the CICS ONC RPC data set. Associated message DFHRP1545 indicates how many 4-tuples were registered.

System action
A system dump is taken. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module: DFHRPC09

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. filename

Destination
CRPO

DFHRP1548 date time applid tranid The CICS ONC RPC connection manager detected an error attempting to retrieve any fast path data.

EIBRESP: eibresp.

Explanation
The connection manager was attempting to retrieve any fast path commands that may have been specified when it was initiated from a terminal. The connection manager issued an EXEC CICS RECEIVE command, but received a response in field eibresp.
System action
A system dump is taken. Start up of CICS ONC RPC continues but any fast path commands are ignored. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPC01

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. eibresp

Destination
CRPO

DFHRP1549 date time applid tranid The CICS ONC RPC connection manager received an error response while registering with CICS for problem determination.

Explanation
The connection manager received an unexpected response from CICS when attempting to register for problem determination.

System action
A system dump is taken. CICS feature tracing and dump formatting cannot be used for CICS ONC RPC. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPC4C

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CRPO

DFHRP1551 date time applid tranid The CICS ONC RPC connection manager

Chapter 2. CICS messages 1725
could not enable CICS ONC RPC because of a CICS short on storage condition.

**Explanation**
The connection manager has made a request for storage during enable processing, but has received a reply indicating that CICS is short on storage.

**System action**
A system dump is taken. The enable attempt is abandoned. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
See the associated diagnostics issued by CICS for problem determination. You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:**
DFHRPC4C

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid

**Destination**
CRPO

**DFHRP1552** date time applid tranid The CICS ONC RPC connection manager has detected an internal error during enable processing.

**Explanation**
An internal error detected during enable processing has prevented the connection manager from enabling CICS ONC RPC.

**System action**
A system dump is taken. The enable attempt is abandoned. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:**
DFHRPC4C

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid

**Destination**
CRPO

**DFHRP1554** date time applid tranid The CICS ONC RPC connection manager is not authorized to use the CICS SPI.

**Explanation**
The connection manager has not been defined with the authorization necessary to execute CICS system programming interface commands. It cannot function without this authorization.

**System action**
A system dump is taken. The enable attempt is abandoned.

**User response**
Message DFHME0116, which contains the symptom string for this problem, is produced. Redefine the connection manager transaction and its associated program DFHRPC00 with the appropriate level of security to be able to use the CICS SPI.

**Module:**
DFHRPC4C

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
The connection manager used the EXEC CICS ENABLE PROGRAM command for DFHRPTRU, but it has not been defined with the authorization necessary to use DFHRPTRU. It cannot function without this authorization.

**System action**
A system dump is taken. The enable attempt is abandoned. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:**
DFHRPC4C

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid

An internal error detected by the connection manager during enable processing has prevented CICS ONC RPC from being enabled.

**System action**
A system dump is taken. The enable attempt is abandoned. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:**
DFHRPC4C
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid

Destination
CRPO

DFHRP1558  date time applid tranid The CICS ONC RPC connection manager could not find the task-related user exit, program DFHRPTRU.

Explanation
The connection manager cannot find the task-related user exit, DFHRPTRU, for one of the following reasons:

• DFHRPTRU has not been defined to CICS
• DFHRPTRU is not in the CICS load library
• DFHRPTRU has been disabled

System action
A system dump is taken. The enable attempt is abandoned. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
See the associated diagnostics issued by CICS for problem determination. See the CICS documentation for guidance on dealing with CICS storage problems.

Module:
DFHRPC4C

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid

Destination
CRPO

DFHRP1560  date time applid tranid The CICS ONC RPC connection manager has detected an internal error during enable processing.

Explanation
An internal error detected by the connection manager during enable processing has prevented CICS ONC RPC from being enabled.

System action
A system dump is taken. The enable attempt is abandoned. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
The connection manager attempted to start the server controller by issuing an EXEC CICS START command, but could not determine the response that was returned.

**System action**
A system dump is taken. The enable attempt is abandoned. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:**
DFHRPC4C

**Explanation**
The connection manager found that the task-related user exit, DFHRPTRU, is already enabled.

**System action**
A system dump is taken. The enable attempt is abandoned. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Take steps to prevent operator intervention with the task related user exit, then try the enable request again.

**Module:**
DFHRPC4C

**Explanation**
The connection manager attempted to start the server controller by issuing an EXEC CICS START command, but the NOTAUTH response was returned.

**System action**
A system dump is taken. The enable attempt is abandoned. Message DFHME0116, which contains the symptom string for this problem, is produced.

**Explanation**
The connection manager attempted to start the server controller by issuing an EXEC CICS START command, but the NOTAUTH response was returned.
User response

See the CICS System programming reference for the meaning of the value returned in eibresp. Use CEDA to ensure that the resource definitions for the CICS ONC RPC supplied programs and transactions have been defined with the correct levels of security. The connection manager must have the correct level of authority to start the server controller in order for CICS ONC RPC to be enabled successfully.

Module:
DFRPC4C

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. eibresp
6. hostaddr

Destination
CRPO

DFHRP1567 date time applid tranid CICS ONC RPC could not be enabled due to an error starting the server controller. EIBRESP: eibresp. Host IP address: hostaddr.

Explanation
The connection manager attempted to start the server controller by issuing an EXEC CICS START USERID command, but the USERIDERR response was returned.

The user ID specified for the server controller is not known to the external security manager.

System action
The enable attempt is abandoned.

User response
Ensure that a valid user ID is specified for CRPM Userid.

Module:
DFRPC4C

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. userid
6. hostaddr
RPC could not be enabled due to a security error starting the server controller. Host IP address: hostaddr.

Explanation
The connection manager attempted to start the server controller by issuing an EXEC CICS START USERID command, but the USERIDERR response was returned.

The external security manager is in a state such that it cannot validate the user ID specified for the server controller.

System action
A system dump is taken. The enable attempt is abandoned. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Investigate the reason why the external security manager cannot perform this request.

Module: DFHRPC4C

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. hostaddr

Destination
CRPO

CICS ONC RPC connection manager has detected an internal error during enable processing.

Explanation
An internal error detected by the connection manager during enable processing has prevented CICS ONC RPC from being enabled.

System action
A system dump is taken. CICS ONC RPC continues normally. However if CICS ONC RPC abends, it may not be possible to reenable CICS ONC RPC without restarting CICS. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
See the associated diagnostics issued by CICS for problem determination.

Module: DFHRPC4C

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

CICS ONC RPC storage subpool token not saved.

Explanation
The connection manager has detected an error while saving the storage subpool token.

System action
A system dump is taken. CICS ONC RPC continues normally. However if CICS ONC RPC abends, it may not be possible to reenable CICS ONC RPC without restarting CICS. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
See the associated diagnostics issued by CICS for problem determination.

Module: DFHRPC4C

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
Destination
CRPO

DFHRP1571  

The CICS ONC RPC connection manager is not authorized to load module module.

Explanation
The connection manager has not been defined with the authorization necessary to issue an EXEC CICS LOAD command for the named module.

System action
The enable attempt is abandoned.

User response
Redefine the connection manager and its associated programs with the appropriate level of security to be able to issue EXEC CICS LOAD commands for the named CICS ONC RPC program.

Module:
DFHRPC4C

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. module

Destination
CRPO

DFHRP1574  

The CICS ONC RPC connection manager load for module returned an unexpected response.

Explanation
The connection manager has not been able to load the module into storage. A response other than NOTAUTH or PGMIDERR was returned to the EXEC CICS LOAD command.

System action
A system dump is taken. The enable attempt is abandoned. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Use the system dump to determine why the LOAD could not work.

Module:
DFHRPC4C

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. module
**Destination**

CRPO

**DFHRP1575**  
*date time applid tranid*  
CICS ONC RPC could not be enabled due to an internal error starting the server controller. Host IP address: *hostaddr*.

**Explanation**

The connection manager attempted to start the server controller by issuing an EXEC CICS START command, but received an unexpected response.

**System action**

A system dump is taken. The enable attempt is abandoned. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:** DFHRPC4C

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *tranid*
5. *hostaddr*

**Destination**

CRPO

**DFHRP1576**  
*date time applid tranid*  
CICS ONC RPC could not be enabled due to an internal error starting the server controller. EIBRESP: *eibresp*. Host IP address: *hostaddr*.

**Explanation**

The connection manager attempted to start the server controller by issuing an EXEC CICS START command, but the INVREQ response was returned.

**System action**

A system dump is taken. The enable attempt is abandoned. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:** DFHRPC4C

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *tranid*
5. *eibresp*
6. *hostaddr*

**Destination**

CRPO

**DFHRP1577**  
*date time applid tranid*  
The CICS ONC RPC connection manager cannot access its task-related user exit DFHRPTRU.

**Explanation**

The connection manager was unable to access its task-related user exit DFHRPTRU during enable processing.

**System action**

A system dump is taken. The enable attempt is abandoned. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Check that the task-related user exit has not been disabled by operator intervention. See the associated diagnostics issued by CICS for problem determination.

**Module:** DFHRPC4C
The CICS ONC RPC connection manager detected an internal error while registering 4-tuples from the CICS ONC RPC data set, CICS file filename.

**Explanation**
The connection manager has detected an internal error while processing a request to register 4-tuples from the CICS ONC RPC data set. Associated message DFHRP1545 may have been issued to indicate the number of 4-tuples that were successfully registered.

**System action**
A system dump is taken. Registration of 4-tuples from the data set does not continue. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:**
DFHRPC09

---

The CICS ONC RPC connection manager cannot establish whether security is active or obtain the default CICS user ID. EIBRESP: eibresp.

**Explanation**
The connection manager was unable to retrieve status information about CICS, and therefore cannot establish whether security is active, or obtain the default CICS user ID.

An EXEC CICS INQUIRE SYSTEM was issued but received the response shown in the message.

**System action**
Processing continues under the assumption that there is no security active.

Panel DFHRP02 is displayed with no user ID in field CRPM Userid, unless a user ID was saved in the CICS ONC RPC data set.

**User response**
Ensure that the connection manager has the correct level of security to use CICS system programming interface commands.

**Module:**
DFHRPC42

---

The CICS ONC RPC connection manager detected an internal error while accessing the CICS ONC RPC data set, CICS file filename.

**Explanation**
The connection manager has detected an internal error while accessing the CICS ONC RPC data set.
System action

A system dump is taken. The panel is redisplayed. No records can be updated. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPC03, DFHRPC05

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. filename

Destination

CRPO

DFHRP1582  date time applid tranid The CICS ONC RPC connection manager detected an internal error while accessing the CICS ONC RPC data set, CICS file filename.

Explanation

The connection manager has detected an internal error while accessing the CICS ONC RPC data set.

System action

A system dump is taken. The panel is redisplayed. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPC03, DFHRPC05

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. filename

Destination

CRPO

DFHRP1583  date time applid tranid The CICS ONC RPC connection manager found no entry for this 4-tuple in the CICS ONC RPC data set, CICS file filename.

Explanation

The connection manager has not found this 4-tuple in the CICS ONC RPC data set filename.

System action

None.

User response

Enter a 4-tuple that has already been saved in the data set.

Module:
DFHRPC09

Destination

Terminal End User

DFHRP1584  date time applid tranid The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file filename. EIBRESP: eibresp.

Explanation

The connection manager could not access the CICS ONC RPC data set. An EXEC CICS DELETE was issued, but received the response eibresp. The data set has not been correctly defined to CICS for one of the following reasons:

- No file definition has been found for filename. CICS ONC RPC has therefore not been installed correctly.
• DELETE operations are not allowed on the file.
• The file has been disabled, either due to an incorrect file definition, or due to operator intervention.
• The file cannot be opened because it has not been defined correctly, or because it has been closed by operator intervention.
• The connection manager, or the user running it, does not have the necessary level of authority to access the file.

System action
The requested operation is not performed. The connection manager cannot perform any operation requiring access to the data set.

User response
Use Appendix A of the CICS Application development reference manual to find out what the EIBRESP value means, and take appropriate action.

Module: DFHRPC09

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. filename
6. eibresp

Destination
CRPO

DFHRP1585 date time applid tranid The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file filename. EIBRESP: eibresp.

Explanation
The connection manager could not access CICS ONC RPC data set, CICS file filename. An EXEC CICS DELETE was issued, but received the response eibresp. The error can occur for one of the following reasons:
• The file is defined as remote, and there is an error on the connection to the owning system.
• VSAM has returned an unexpected response to CICS.

• An I/O error occurred on the DELETE.

System action
A system dump is taken. The requested operation is not performed. The connection manager cannot perform any function requiring access to the data set. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Use Appendix A of the CICS Application development reference manual to find out what the EIBRESP value means, and take appropriate action.

Module: DFHRPC09

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. filename
6. eibresp

Destination
CRPO

DFHRP1586 date time applid tranid The CICS ONC RPC connection manager detected a logic error accessing the CICS ONC RPC data set filename.

Explanation
The connection manager detected an unexpected error when accessing the CICS ONC RPC data set. This is a logic error. The connection manager has received an unexpected response from CICS following an EXEC CICS command.

System action
A system dump is taken. The connection manager cannot perform any function requiring access to the CICS ONC RPC data set. Message DFHME0116, which contains the symptom string for this problem, is produced.
User response

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPC09

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. filename

Destination
CRPO

DFHRP1596  date time applid tranid The CICS ONC RPC connection manager cannot continue enable processing because it cannot determine the status of CICS ONC RPC.

Explanation

The connection manager was trying to enable CICS ONC RPC, but detected an invalid global work area address, or found that CICS ONC RPC was enabled.

System action
The enable attempt is abandoned.

User response
Investigate whether CICS ONC RPC has been disabled. Investigate whether operator command have been issued against the task-related user DFHRPTRU.

Module:
DFHRPC4C

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid

Destination
CRPO

DFHRP1600  date time applid tranid The CICS ONC RPC connection manager has completed backout of enable processing.

Explanation

CICS ONC RPC cannot be enabled. This may be the result of an error detected by the connection manager during enable processing or it may be due to CICS shutdown. The connection manager has completed backout of enable processing.

System action
Processing continues.

User response
See associated messages for the reason why the enable request failed.

Module:
DFHRPC4C

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid

Destination
CRPO

DFHRP1601  date time applid tranid The CICS ONC RPC connection manager cannot continue enable processing because it has detected that CICS is shutting down.

Explanation

CICS ONC RPC cannot be enabled when CICS is in shutdown.

System action
The connection manager initiates backout of enable processing. If this is an immediate CICS shutdown, then transaction CRPC terminates.
User response
Exit transaction CRPC to enable CICS shutdown to continue.

Module:
DFHRPC4C

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CRPO

DFHRP1602 date time applid tranid The CICS ONC RPC connection manager has detected an internal error during backout of enable processing.

Explanation
The connection manager has detected an error attempting to shut down the RPC caller. This is during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System action
CICS ONC RPC continues backout of enable processing.

User response
See associated messages for the reason why the enable request failed. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHRPC4C

XMEOUT parameters/Message inserts
1. date

Destination
CRPO

DFHRP1604 date time applid tranid The CICS ONC RPC connection manager has detected an error when

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attempting to issue a RELEASE for the alias list program.

Explanation
The connection manager has detected an error issuing a release for the alias list program. This is during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System action
CICS ONC RPC continues backout of enable processing.

User response
See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHRPC4C

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CRPO

DFHRP1605  The CICS ONC RPC connection manager has detected an internal error during backout of enable processing.

Explanation
The connection manager has detected an internal error during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System action
CICS ONC RPC continues backout of enable processing.

User response
See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module:
The CICS ONC RPC connection manager has detected an error when attempting to disable the ONC RPC TRUE (DFHRPTRU).

Explanation
The connection manager detected an error attempting to disable the task-related user exit (TRUE). This is during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System action
CICS ONC RPC continues backout of enable processing.

User response
See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHRPC4C

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CRPO

The CICS ONC RPC connection manager has detected an internal error during backout of enable processing.

Explanation
The connection manager has detected an internal error attempting to disable the task-related user exit (TRUE). This is during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System action
CICS ONC RPC continues backout of enable processing.

User response
See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHRPC4C

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CRPO

The connection manager transaction does not have the necessary authority to use the CICS system programming interface and cannot disable its task related user exit (TRUE). This is during backout of enable processing.
enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

**System action**

CICS ONC RPC continues backout of enable processing.

**User response**

See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHRPC4C

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**

CRPO

DFHRP1610 date time applid tranid The CICS ONC RPC connection manager is not authorized to disable the task-related user exit (DFHRPTRU) during backout of enable processing.

**Explanation**

The connection manager transaction does not have the necessary authority to disable its task-related user exit (TRUE). This is during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

**System action**

CICS ONC RPC continues backout of enable processing.

**User response**

See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHRPC4C

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**

CRPO

DFHRP1611 date time applid tranid The CICS ONC RPC connection manager has detected an internal error during backout of enable processing.

**Explanation**

The connection manager has detected an error attempting to unregister for problem determination. This is during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

**System action**

CICS ONC RPC continues backout of enable processing.

**User response**

See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHRPC4C
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid

Destination
CRPO

DFHRP1650  

The CICS ONC RPC connection manager found that CICS ONC RPC is disabled. Requests to disable CICS ONC RPC are ignored.

Explanation
A request has been made to disable CICS ONC RPC, but the current status indicates it is already disabled, or in the process of being disabled.

System action
The request is ignored. The connection manager panel is redisplayed.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPC01, DFHRPC04

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid

Destination
CRPO

DFHRP1652  

The CICS ONC RPC connection manager detected a logic error.

Explanation
The connection manager has received an unexpected response from CICS following an EXEC CICS command.

System action
A system dump is taken. The requested operation is not performed. The connection manager continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPC04
**Explanation**
The 4-tuple has been unregistered.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHRPC06

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. X’prognum’
6. X’versnum’
7. X’procnum’
8. protocol
9. hostaddr

---

**Destination**
CRPO

**DFHRP1750**


**Explanation**
The CICS ONC RPC connection manager has unregistered the 4-tuple.

**System action**
The connection manager panel is redisplayed. The requested action is not performed.

**User response**
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHRPC06

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. hostaddr

---

**Destination**
CRPO

**DFHRP1751**

*d date time applid tranid* The CICS ONC RPC connection manager has detected an error while accessing an internal table. Host IP address: hostaddr.

**Explanation**
The connection manager has detected an internal error while accessing the list of 4-tuples registered with CICS ONC RPC.

**System action**
The connection manager panel is redisplayed.

**User response**
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHRPC06

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
A CICS ONC RPC operation could not be performed because CICS is short on storage. Host IP address: hostaddr.

Explanation
The connection manager could not perform an unregister operation because CICS is short on storage.

System action
The connection manager continues.

User response
Retry the unregister operation when the CICS storage problem has been resolved.

Module:
DFHRPC06

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. hostaddr

The CICS ONC RPC connection manager detected an internal error when unregistering a 4-tuple. Host IP address: hostaddr.

Explanation
The connection manager detected an internal error when unregistering a 4-tuple.

System action
The connection manager continues, but the unregister operation is not completed.

User response
None.

Module:
DFHRPC06

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

A system dump is taken. The connection manager continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPC06

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. hostaddr

The CICS ONC RPC connection manager could not perform an unregister operation because CICS ONC RPC is not enabled. X'prognum'

Version: X'versnum'

Procedure: X'procnum'

Protocol: protocol.

Explanation
The connection manager cannot complete the current unregister operation because CICS ONC RPC is not enabled. It might have been disabled by another connection manager transaction.

System action
The connection manager continues, but the unregister operation is not completed.

User response
None.

Module:
DFHRPC06

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Explanation
The connection manager is unable to complete the current unregister operation because CICS ONC RPC is in disable processing.

System action
The connection manager continues, but the unregister operation currently being performed is not completed.

User response
If message DFHRP0002 was issued to the console, the explanation of that message might contain more information.

Module:
DFHRPC06

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. X'prognum'
6. X'versnum'
7. X'procnum'
8. protocol
9. hostaddr

Destination
CRPO

DFHRP1757 date time applid tranid The CICS ONC RPC connection manager detected an error when freeing storage associated with the requested 4-tuple. Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol. Host IP address: hostaddr.
Explanation
The connection manager is unable to complete the current unregister operation because an error occurred freeing storage associated with the 4-tuple.

System action
The connection manager continues. If the requested 4-tuple was the only instance of a particular program/version/protocol 3-tuple registered with TCP/IP for MVS, then this 3-tuple has been unregistered with TCP/IP for MVS.

User response
See the associated diagnostics issued by CICS and TCP/IP for MVS for problem determination.

Module:
DFHRPC06

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. X'prognum'
6. X'versnum'
7. X'procnum'
8. protocol

Destination
CRPO

DFHRP1759 date time applid tranid The CICS ONC RPC connection manager could not perform an unregister operation because an invalid global work area was detected. Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol.

Explanation
The connection manager cannot complete the unregister operation because it has detected an invalid global work area address. CICS ONC RPC might have been disabled by another connection manager transaction.

System action
The connection manager continues, but the unregister operation is not completed.

User response
If message DFHRP0002 was issued to the console, the explanation of that message might contain more information.

Module:
DFHRP0002

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. X'prognum'
6. X'versnum'
7. X'procnum'
8. protocol

Destination
CRPO


Explanation
The connection manager detected an error while unregistering a program-version pair with TCP/IP for MVS, and is unable to complete the current unregister operation.

System action
The connection manager continues, but the unregister operation is not completed.

User response
See the associated diagnostics issued by CICS and TCP/IP for MVS for problem determination. If message DFHRP0002 was issued to the console,
the explanation of that message might contain more information.

Module:
DFHRPC06

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. X’prognum’
6. X’versnum’
7. X’procnum’
8. protocol
9. hostaddr

Destination
CRPO

DFHRP1761 date time applid tranid The CICS ONC RPC connection manager could not unregister a 4-tuple as it was not registered Program: X’prognum’ Version: X’versnum’ Procedure: X’procnum’ Protocol: protocol. Host IP address: hostaddr.

Explanation
The 4-tuple cannot be unregistered as it is not registered.

System action
Processing continues.

User response
None.

Module:
DFHRPC06

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. X’prognum’
6. X’versnum’
7. X’procnum’
8. protocol
9. hostaddr

Destination
Terminal End User

DFHRP1763 date time applid tranid The CICS ONC RPC connection manager cannot display the requested 4-tuple because it is not registered with CICS ONC RPC. Program: X’prognum’ Version: X’versnum’ Procedure: X’procnum’ Protocol: protocol. Host IP address: hostaddr.

Explanation
The 4-tuple is not displayed.

System action
Processing continues.

User response
None.

Module:
DFHRPC06
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. X'prognum'
6. X'versnum'
7. X'procnum'
8. protocol
9. hostaddr

Destination
CRPO

**DFHRP1764**  
*date time applid tranid*  
The CICS ONC RPC connection manager detected an internal error while processing 4-tuple definitions on the CICS ONC RPC data set, CICS file *filename*.

**Explanation**
The connection manager detected an internal error while accessing 4-tuples on the data set.

**System action**
A system dump is taken. The connection manager panel is redisplayed. The requested operation is not performed. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:**  
DFHRPC0A

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. filename

Destination
CRPO

**DFHRP1766**  
*date time applid tranid*  
The CICS ONC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file *filename*. EIBRESP: *eibresp*.

**Explanation**
The connection manager could not access the CICS ONC RPC data set. The error occurred while processing a request to display 4-tuple definitions from the data set.
An EXEC CICS STARTBR, EXEC CICS READNEXT or EXEC CICS ENDBR was issued, but received the response \textit{eibresp}. The error can occur for one of the following reasons:

- No file definition has been found for DFHRPCD, implying that CICS ONC RPC has not been installed correctly.
- BROWSE or READ operations are not allowed, implying that CICS ONC RPC has not been installed correctly.
- The file is DISABLED, either due to an incorrect file definition, or due to operator intervention.
- The file is NOTOPEN, either due to an incorrect file definition, or due to operator intervention.
- BROWSE or READ operations are not authorized, implying that security has not been set up correctly.

**System action**

A system dump is taken. Without access to the data set, CICS ONC RPC cannot display 4-tuple definitions. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Use Appendix A of the CICS Application development reference manual to find out what the EIBRESP value means, and take appropriate action.

**Module:** DFHRPC0A

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. filename
6. eibresp

**Destination**

CRPO

DFHRP1767 \textit{date time applid tranid} The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file \textit{filename}. EIBRESP: \textit{eibresp}.

**Explanation**

The connection manager could not access the CICS ONC RPC data set. This is a logic error.
since the connection manager has received an unexpected response from CICS following an EXEC CICS STARTBR, EXEC CICS READNEXT or EXEC CICS ENDBR command.

The error occurred while processing a request to display 4-tuple definitions from the data set.

Without access to the data set, the connection manager cannot process requests to display information from it.

System action
A system dump is taken. The connection manager panel is redisplayed. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPC0A

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. filename

Destination
CRPO

DFHRP1769 date time applid tranid The CICS ONC RPC connection manager found no records on the CICS ONC RPC data set, CICS file filename, when processing a request to access 4-tuple information.

Explanation
The CICS ONC RPC connection manager found no records on the CICS ONC RPC data set, CICS file filename, when processing a request to access 4-tuple definitions.

System action
A system dump is taken. The connection manager panel is redisplayed. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Investigate the reason why there are no records. You must use the connection manager to create a new CICS ONC RPC definition record.

Module:
DFHRPC0A

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. filename

Destination
CRPO

DFHRP1770 date time applid tranid The CICS ONC RPC connection manager found no 4-tuple definitions in the CICS ONC RPC data set, CICS file filename.

Explanation
The connection manager has found no 4-tuple definitions in the CICS ONC RPC data set while processing a request to access 4-tuple definitions.

System action
The connection manager panel is redisplayed. No 4-tuple definitions are displayed.

User response
Use the connection manager to save 4-tuple definitions in the data set.

Module:
DFHRPC0A

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
The connection manager has detected an internal error while processing a request to access 4-tuple definitions in the CICS ONC RPC data set.

**System action**
A system dump is taken. The connection manager panel is redisplayed. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:**
DFHRPC0A

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. filename

**Description**

DFHRP1771 date time applid tranid The CICS ONC RPC connection manager detected an internal error while accessing 4-tuple definitions in the CICS ONC RPC data set, CICS file filename.

**Explanation**
A GETMAIN issued by the connection manager when attempting to build a list of 4-tuples defined in the CICS ONC RPC data set returned an error response.

**System action**
A system dump is taken. Processing continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
CICS may be temporarily short on storage. Retry the operation. If the condition persists, contact your system administrator to see if there are problems with CICS storage. If CICS is not short on storage, you need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:**
DFHRPC0A

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Description**

DFHRP1773 date time applid tranid The CICS ONC RPC connection manager detected an error when freeing storage.

**Explanation**
A FREEMAIN issued by connection manager returned an error response. The connection manager was trying to free storage used to build a list of 4-tuples defined in the CICS ONC RPC data set.

**System action**
A system dump is taken. Processing continues. Message DFHME0116, which contains the symptom string for this problem, is produced.
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPC0A

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**
CRPO

**DFHRP1774**

*date time applid tranid* The CICS ONC RPC connection manager cannot display the requested 4-tuple because it is not saved to the CICS ONC RPC data set. Program: *X'prognum'* Version: *X'versnum'* Procedure: *X'procnum'* Protocol: *protocol*.

**Explanation**

A request to register a 4-tuple cannot be performed because CICS ONC RPC was not enabled when the request was made.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHRPC0A

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. *X'prognum'*
6. *X'versnum'*
7. *X'procnum'*

**Destination**
CRPO

**DFHRP1775**

*date time applid tranid* The CICS ONC RPC connection manager cannot register 4-tuples because CICS ONC RPC is disabled.

**Explanation**

A request to register a 4-tuple cannot be performed because CICS ONC RPC was not enabled when the request was made.

**System action**
Processing continues.

**User response**
Enable CICS ONC RPC.

**Module:**
DFHRPC0A

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. *X'prognum'*
6. *X'versnum'*
7. *X'procnum'*
8. *protocol*

**Explanation**

The alias for the 4-tuple has been purged by the connection manager.

**System action**

*Status* indicates the status of the alias task when the purge request was issued. The following actions are taken:
• *Running* indicates that the alias task was running. The connection manager removes the entry from the alias list. The alias abends with abend code ARPJ and message DFHRP0173 is issued.

• *Scheduled* indicates that the alias task was scheduled to run and may still do so. The connection manager removes the entry from the alias list. The alias abends with abend code ARPJ and messages DFHRP0113 and DFHRP0173 are issued.

**User response**

None.

**Module:**
DFHRPC10

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *tranid*
5. *status*
6. *X'prognum'*
7. *X'versnum'*
8. *X'procnum'*
9. *protocol*
10. *hostaddr*

**Destination**

CRPO

DFHRP1801  *date time applid tranid* The CICS ONC RPC connection manager has detected an internal error while processing the alias list.

**Explanation**

The connection manager has detected an internal error while processing a request to display or purge entries in the alias list.

**System action**

A system dump is taken. The connection manager panel is redisplayed. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:**
DFHRPC10

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*

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4. tranid

**Destination**
CRPO

**DFHRP1803**

The CICS ONC RPC connection manager received an error response while attempting to browse the alias list.

**Explanation**
The connection manager attempted to start browsing the alias list, but received a response that indicated a severe error had occurred.

**System action**
The connection manager panel is redisplayed. No alias tasks are displayed.

**User response**
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHRPC10

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**
CRPO

**DFHRP1804**

The CICS ONC RPC connection manager could not process the alias list. It could not obtain the required CICS storage.

**Explanation**
A GETMAIN issued by the connection manager when attempting to build the alias list returned an error response.

**System action**
A system dump is taken. The connection manager panel is redisplayed. No alias tasks are displayed. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
CICS may be temporarily short on storage. Retry the operation. If the condition persists, contact your system administrator to see if there are problems with CICS storage. If CICS is not short on storage, you need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:**
DFHRPC10

**DFHRP1805**

The CICS ONC RPC connection manager has detected an error when freeing storage.

**Explanation**
A FREEMAIN issued by the connection manager when attempting to free storage used to build the alias list returned an error response.

**System action**
A system dump is taken. Processing continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string
given in message DFHME0116. It will aid problem determination.

Module: DFHRPC10

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**

CRPO

**Explanation**

The connection manager tried to retrieve an entry from the alias list, but received a response that indicated a severe error had occurred.

**System action**

The connection manager panel is redisplayed.

**User response**

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHRPC10

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**

CRPO

**Explanation**

The connection manager tried to delete an entry from the alias list, but received a response that indicated a severe error had occurred.

**System action**

The connection manager panel is redisplayed.

**User response**

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHRPC10

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**

CRPO

**Explanation**

The connection manager attempted to finish browsing the alias list, but received a response that indicated a severe error had occurred.

**System action**

The connection manager panel is redisplayed.

**User response**

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHRPC10

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid

**Destination**

CRPO

**Explanation**

The connection manager tried to delete an entry from the alias list, but received a response that indicated a severe error had occurred.

**System action**

The connection manager panel is redisplayed.

**User response**

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHRPC10
The CICS ONC RPC connection manager has detected an internal error while accessing an internal table. Host IP address: hostaddr.

Explanation
An internal error has occurred in the connection manager while accessing an internal table.

System action
A system dump is taken. Processing continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module: DFHRPC08

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. hostaddr

Destination
CRPO

DFHRP1863 date time applid tranid The CICS ONC RPC connection manager has detected an internal error while accessing an internal table. Host IP address: hostaddr.

Explanation
An internal error has occurred in the connection manager while accessing an internal table.

System action
A system dump is taken. Processing continues. Message DFHME0116, which contains the symptom string for this problem, is produced.
User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPC08

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. hostaddr

Destination
CRPO

DFHRP1864 date time applid tranid The CICS ONC RPC connection manager has detected an internal error while accessing an internal table. Host IP address: hostaddr.

Explanation
An internal error has occurred in the connection manager while accessing an internal table.

System action
A system dump is taken. Processing continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPC08

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. hostaddr

Destination
CRPO

DFHRP1865 date time applid tranid The CICS ONC RPC connection manager has detected an internal error while accessing an internal table. Host IP address: hostaddr.

Explanation
An internal error has occurred in the connection manager while accessing an internal table.

System action
A system dump is taken. Processing continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPC08

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. hostaddr

Destination
CRPO

DFHRP1866 date time applid tranid The CICS ONC RPC connection manager detected an internal error while accessing an internal table. Host IP address: hostaddr.

Explanation
An internal error has occurred in the connection manager while accessing an internal table.
System action

A system dump is taken. Processing continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPC0E

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. hostaddr

Destination

CRPO

DFHRP1867  date time applid tranid The CICS ONC RPC connection manager could not complete the requested operation as an invalid CICS ONC RPC global work area address has been detected.

Explanation

The connection manager was attempting to access or initialize the list of registered 4-tuples, but detected an invalid global work area address. This may indicate that CICS ONC RPC is disabled.

System action

A system dump is taken. The requested operation is not completed. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Retry the operation when CICS ONC RPC is enabled. If this occurred during enable processing, check that another connection manager transaction has not disabled CICS ONC RPC.

Module:
DFHRPC08

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. hostaddr
The CICS ONC RPC connection manager detected an error when freeing storage. Host IP address: hostaddr.

Explanation
A FREEMAIN issued by connection manager when attempting to free storage used to build a list of registered 4-tuples returned an error response.

System action
Processing continues.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHRPC08

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. hostaddr

The CICS ONC RPC connection manager has detected an internal error while accessing an internal table. Host IP address: hostaddr.

Explanation
An internal error has occurred in the connection manager while accessing an internal table.

System action
A system dump is taken. Processing continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Ensure that all the CEDA groups for CICS ONC RPC have been installed correctly, then try to enable CICS ONC RPC again.

Investigate whether the operator has disabled DFHRPTRU for any reason.

Module:
DFHRPC08

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

**Explanation**

The connection manager cannot find the task-related user exit, DFHRPTRU, for one of the following reasons:

- DFHRPTRU has not been defined to CICS
- DFHRPTRU is not in the CICS load library
- DFHRPTRU has been disabled

**System action**

A system dump is taken. CICS ONC RPC remains disabled. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Ensure that all the CEDA groups for CICS ONC RPC have been installed correctly, then try the enable request again.

**Module:** DFHRPC0B

---

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **tranid**
5. **eibresp2**

**Destination**

CRPO

---

**DFHRP1903 date time applid tranid** The CICS ONC RPC connection manager has received an unexpected response from CICS.

**Explanation**

The connection manager received an unexpected response from CICS to an EXEC CICS command. This is a logic error.

**System action**

A system dump is taken. CICS ONC RPC is disabled. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.
Module: DFHRPC0B

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CRPO

DFHRP1906 date time applid tranid The CICS ONC RPC connection manager found an error in the length of the CICS ONC RPC global work area.

Explanation
The connection manager found that the length of its global work area is not correct.

System action
A system dump is taken. CICS ONC RPC is disabled. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Ensure that DFHRPRTRU has not been enabled by an operator command.

Module: DFHRPC0B

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CRPO


Explanation
The connection manager has received an unexpected response from CICS following an EXEC CICS command.

System action
A system dump is taken. Registration of the 4-tuple currently being processed is not possible. The 4-tuple is not registered. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string...
given in message DFHME0116. It will aid problem determination.

**Module:**
DFHRPC0E

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. X'prognum'
6. X'versnum'
7. X'procnum'
8. protocol
9. hostaddr

**Destination**

CRPO

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. xdrname
6. eibresp
7. eibresp2
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. hostaddr

**Explanation**

The connection manager used EXEC CICS LOAD for the CICS program xdrname, which has been requested as the XDR routine for the 4-tuple being processed, but received an error response.

**System action**

The 4-tuple is not registered.

**User response**

The problem is probably due to an error in defining the requested program xdrname to CICS, or to wrongly defining an XDR routine name for the 4-tuple. Use the values provided in eibresp and eibresp2 to identify the reason for the error in the LOAD, and use the CICS CEDA transaction or the connection manager to rectify the problem.

**Module:**
DFHRPC0E

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The connection manager has received an unexpected response from CICS following an EXEC CICS command.

A system dump is taken. The connection manager abends with abend code ARPV. Message DFHME0116, which contains the symptom string for this problem, is produced.

You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module: DFHRPC0E

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. xdrname
6. eibresp
7. eibresp2
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. hostaddr

CRPO
8. protocol
9. hostaddr

Destination
CRPO


Explanation
The connection manager could not add an XDR routine name to an internal table.

System action
The 4-tuple is not registered.

User response
Try to register the 4-tuple again. If the condition persists, you need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHRPC0E

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. X'prognum'
6. X'versnum'
7. X'procnum'
8. protocol
9. hostaddr

Destination
CRPO

DFHRP1957  date time applid tranid CICS ONC RPC is not enabled, so the register operation could not be performed. Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol. Host IP address: hostaddr.

Explanation
The connection manager is unable to complete the current register operation because CICS ONC RPC is not currently enabled. It may have been disabled by another connection manager transaction.
System action
The 4-tuple is not registered.

User response
Use the connection manager to enable CICS ONC RPC, and try the register operation again.

Module:
DFHRPC0E

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. X'prognum'
6. X'versnum'
7. X'procnum'
8. protocol
9. hostaddr

Destination
CRPO

DFHRP1958 date time applid tranid The CICS ONC RPC connection manager could not register the 4-tuple because it was already registered. Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol. Host IP address: hostaddr.

Explanation
The connection manager is unable to complete the current register operation because the requested 4-tuple is already registered.

System action
The connection manager continues, but the 4-tuple is not registered.

User response
This may be a temporary condition, so try the register again. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. If the condition persists, see the CICS documentation for further guidance on how to proceed.

Module:
DFHRPC0E

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Chapter 2. CICS messages 1765

Explanation
The connection manager is unable to complete the current register operation because an error was returned by TCP/IP for MVS. This may be on an svcudp_create or svctcp_create operation.

System action
The connection manager continues, but the 4-tuple is not registered.

User response
See the associated diagnostics issued by CICS and TCP/IP for MVS for problem determination. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information.

Module:
DFHRPC0E

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. X'prognum'
6. X'versnum'
7. X'procnum'
8. protocol
9. hostaddr

DFHRP1961 date time applid tranid Data entered in field fieldname1 is incompatible with data entered in field fieldname2.

Explanation
Data was entered on a connection manager panel in fieldname1 that is incompatible with data entered in fieldname2.

System action
The connection manager panel is redisplayed and the field in error is highlighted.

User response
Enter compatible data in the fields indicated.

Module:
DFHRPC0D, DFHRPC05

DFHRP1962 date time applid tranid Enter the Program Number, Version Number, Procedure Number and Protocol for the 4-tuple to be displayed.

Explanation
To retrieve information about a 4-tuple in the CICS ONC RPC data set you must supply the program number, version number, procedure number, and protocol.

System action
None.

User response
Enter the required data.

Module:
DFHRPC0D, DFHRPC03

Destination
Terminal End User

DFHRP1963 date time applid tranid Enter the following fields before
register or save to data set:
Program Number, Version Number, Procedure Number, XDR Routines, and Program Name.

Explanation
The following fields are required before registration or saving of the 4-tuple: the Program Number, Version Number, Procedure Number, Inbound XDR Routine, Outbound XDR Routine (if RPC Call Type of blocking), and Program Name.

System action
The connection manager panel is redisplayed.

User response
Enter valid data in the field(s) indicated.

Module:
DFHRPC0D, DFHRPC05

Destination
Terminal End User

DFHRP1965 date time applid tranid
Data Format of CONTINUOUS, the Server Input Length and Server Output Length together must not exceed 32767 Bytes.

Explanation
An invalid server data length has been detected on a CRPC panel. The maximum total data length which can pass between the alias and the CICS program that services the client request is 32767. If server data format of CONTINUOUS is specified, the Server Input Length and the Server Output Length added together must not exceed this value.

System action
The connection manager panel is redisplayed.

User response
Enter valid data in the fields.

Module:
DFHRPC0D, DFHRPC05

Destination
Terminal End User

DFHRP1966 date time applid tranid
Procedure Number of 0 is not allowed.

Explanation
A value of zero has been entered in the Procedure Number field. This is not allowed.

System action
The connection manager panel is redisplayed, and the field in error is highlighted.

User response
Enter valid data in the field indicated.

Module:
DFHRPC0D, DFHRPC05, DFHRPC06

Destination
Terminal End User

DFHRP1967 date time applid tranid
The CICS ONC RPC connection manager detected an internal error while trying to register a 4-tuple. Program: X'prognum'

Chapter 2. CICS messages 1767
Explanation
The connection manager detected an internal error while trying to register a 4-tuple.

System action
A system dump is taken. The connection manager continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
See associated messages to find out whether the 4-tuple was registered. You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPC0E

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. X'prognum'
6. X'versnum'
7. X'procnum'
8. protocol
9. hostaddr

Destination
CRPO

DFHRP1968 date time applid tranid The CICS ONC RPC connection manager has not performed a register operation because it has detected an invalid global work area address. CICS ONC RPC may have been disabled by another connection manager transaction.

Explanation
The connection manager is unable to complete the current register operation because it has detected an invalid global work area address. CICS ONC RPC may have been disabled by another connection manager transaction.

System action
The connection manager continues, but the 4-tuple is not registered.

User response
Use the connection manager to enable CICS ONC RPC, and try the register operation again. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information.

Module:
DFHRPC0E

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. X'prognum'
6. X'versnum'
7. X'procnum'
8. protocol
9. hostaddr

Destination
CRPO


Explanation
The connection manager is unable to complete the current register operation because it has detected an abend in the converter when invoking it for the Getlengths function.
**System action**
The connection manager continues, but the 4-tuple is not registered.

**User response**
Use CICS diagnostics to correct the converter.

**Module:**
DFHRPC0E

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. X'prognum'
6. X'versnum'
7. X'procnum'
8. protocol
9. hostaddr

**Destination**
CRPO

**DFHRP1970**

**Explanation**
The 4-tuple has already been registered.

**System action**
The connection manager panel is redisplayed.

**User response**
Enter a new 4-tuple for registration.

**Module:**
DFHRPC0E

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. X'prognum'
6. X'versnum'
7. X'procnum'
8. protocol
9. hostaddr

**Destination**
CRPO

**DFHRP1981**
(date time applid tranid) The CICS ONC RPC connection manager cannot register the 4-tuple because it has already been registered. Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol. Host IP address: hostaddr.

**Explanation**
The 4-tuple has already been registered.

**System action**
None.

**User response**
None.

**Module:**
DFHRPC0E

Explanation
The connection manager has detected an internal error while registering the 4-tuple.

System action
The 4-tuple is not registered.

User response
You need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHRPC0E

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. X'prognum'
6. X'versnum'
7. X'procnum'
8. protocol
9. hostaddr

Destination
CRPO


Explanation
The connection manager used EXEC CICS LINK for the converter to perform Getlengths processing for the 4-tuple. The response was PGMIDERR.

System action
The 4-tuple is not registered.

User response
Use the EIBRESP2 value to identify the problem.

Module:
DFHRPC0E
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. converter_program_name
6. eibresp
7. resp2val
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. hostaddr

Destination

CRPO

DFHRP1985  

Explanation

The connection manager used EXEC CICS LINK for the converter to perform Getlengths processing, but received an unexpected response.

System action

The 4-tuple is not registered.

User response

See the associated diagnostics issued by CICS for problem determination.

Module:

DFHRPC0E

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. converter_program_name
6. eibresp
7. resp2val
The connection manager used EXEC CICS LINK for the converter to perform Getlengths processing, but received a NOTAUTH response.

### System action
The 4-tuple is not registered.

### User response
When CICS ONC RPC is next disabled, redefine connection manager with RESSEC=NO.

### Module
DFHRPC0E

### XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. converter_program_name
6. eibresp
7. resp2val
8. X'prognum'
9. X'versnum'
10. X'procnum'
11. protocol
12. hostaddr
**Explanation**

Getlengths returned URP_INVALID.

**System action**

The Getlengths parameter area is traced. The 4-tuple is not registered.

**User response**

Use the trace information to correct the converter.

**Module:** DFHRPC0E

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. converter_program_name
6. X'prognum'
7. X'versnum'
8. X'procnum'
9. protocol
10. hostaddr

**Destination**

CRPO

**Explanation**

The communication area length calculated from the glength_server_data_format, glength_server_input_data_len, and glength_server_output_data_len parameters exceeds 32 767.

**System action**

The Getlengths parameter area is traced. The 4-tuple is not registered.

**User response**

Use the trace information to correct the converter.

**Module:** DFHRPC0E

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
The CICS ONC RPC connection manager has detected an invalid server data format returned by the Getlengths function of converter converter_program_name.

Program: X'prognum'  Version: X'versnum'  Procedure: X'procnum'

Explanation

The glength_server_data_format returned must have a value of URP_CONTIGUOUS or URP_OVERLAID.

System action

The Getlengths parameter area is traced. The 4-tuple is not registered.

User response

The glength_server_data_format must be set to URP_CONTIGUOUS or URP_OVERLAID, or left unaltered, in which case the value specified on panel DFHRP5 when the 4-tuple was registered will be used.

Module:
DFHRPC0E

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. converter_program_name
6. X'prognum'
7. X'versnum'
8. X'procnum'
9. protocol
10. hostaddr

Destination
CRPO

DFHRP1992  date time applid tranid  The CICS ONC RPC connection manager has detected an invalid server data format returned by the Getlengths function of converter converter_program_name.
Program: X'prognum'  Version: X'versnum'  Procedure: X'procnum'

Explanation

Only one task can browse the alias list at a time. This is enforced by use of an ENQ in the connection manager. However, the alias list component has been called to start a browse and has found that there is already a browse active. This is due either to a logic error in CICS ONC RPC code, or to a storage overwrite.

System action

A system dump is taken. The browse request is rejected. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

If the problem is due to a storage overwrite, it is almost certain that there are errors in other CICS functions for no apparent reason. If this is not the case, you may need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHRPAL

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. converter_program_name
6. X'prognum'
7. X'versnum'
8. X'procnum'
9. protocol
10. hostaddr

Destination
CRPO
**DFHRSnnnn messages**

**DFHRS0001 applid** An abенд (code aaa/bbbb) has occurred at offset X'offset' in module modname.

**Explanation**
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action**
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

**User response**
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem. If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

---

**XMEOUT parameters/Message inserts**

1. applid
2. aaa/bbbb
3. X'offset'
4. modname

**Destination**
Console

**DFHRS0002 applid** A severe error (code X'code') has occurred in module modname.

**Explanation**
An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

**System action**
An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

**User response**
This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

See the CICS Trace Entries for a description of the exception trace point ID, X'code' and the data it contains.
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHRSDM, DFHRSDU, DFHRSSM, DFHRSSR, DFHRSTP, DFHRSXM

XMEOUT parameters/Message inserts
1. applid
2. X'code'
3. modname

Destination
Console

DFHRS0004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation
A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which happened to be executing at the time when the error was detected.

System action
An exception entry is made in the trace table.

A system dump is taken unless you have specifically suppressed the dump by a user exit program at the XDUREQ exit, in the dump table, or by global system dump suppression. CICS processing continues unless you have specified in the dump table that CICS should terminate.

User response
If CICS has not terminated, you must decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message might have been caused by a long-running function and there might not be an error. Usually, CICS purges a CICS function which exceeds the runaway task time interval that you have specified in the ICVR system initialization parameter. This means that execution of module modname is terminated and CICS continues.

If you have specified system initialization parameter ICVR=0 and you believe that module modname is looping, you must terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you believe that it was not a runaway, you should increase the value of the ICVR system initialization parameter. You can use the CEMT transaction to change the ICVR time interval while CICS is running. To change the ICVR time interval permanently, shut down CICS and restart with the new setting.

If increasing the value of ICVR does not solve the problem, you might need further assistance from IBM to resolve the problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHRSDEU, DFHRSSM, DFHRSTP, DFHRSXM

XMEOUT parameters/Message inserts
1. applid
2. X'offset'
3. modname

Destination
Console

DFHRS0007E applid The RS domain long running task has terminated abnormally.

Explanation
The region status (RS) domain long running task has terminated because an unexpected error has occurred. This task was started because the region is running as a CICSPlex/SM (CPSM) workload manager (WLM) target region which has been activated for WLM optimization.

System action
A system dump is taken unless you have specifically suppressed the dump by a user exit program at the XDUREQ exit, in the dump table, or by global system dump suppression.

CICS processing continues without the RS domain long running task unless you have specified in the dump table that CICS should terminate.

User response
Review any other error messages that have been issued, and take appropriate action. If the problem persists, contact your IBM support representative for further assistance, providing the complete job output, auxtrace datasets and any dumps.

Note that the RS domain long running task is responsible for marking the region as healthy following the end of a short-on-storage (SOS), system dump

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(SDUMP) or transaction dump (TDUMP) condition. If this task is no longer running, other processing within the region will assume this function, but depending upon the activity within the region, return to healthy status may be delayed for up to 15 seconds.

The task can be restarted by one of the following methods:

- Stopping and restarting the region.
- Stopping and restarting the CPSM MAS agent in the region. The COSH transaction can be used to stop the agent, and the COLM transaction can be used to restart the agent.
- Disabling and enabling WLM optimization in the region. The CPSM MAS resource table SET action can be used to perform these functions.

**Module:** DFHRSTP

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**

Console

**Explanation**

An abnormal reply has been received in response to an exchange log name request sent either following a session failure or at first session initiation after system restart. The abnormal reply may indicate that:

- The remote system detected a warm or cold mismatch, or a log name mismatch.
- The remote system failed to interpret the exchange log name data sent to it.

**System action**

For APPC protocol, any synclevel 2 attaches are inhibited. This prevents recoverable activity between the two systems.

For IRC protocol, the message indicates that resynchronization was attempted and failed.

**User response**

The most likely cause of the message is an initial start (as opposed to emergency restart or its equivalent) of this system when the remote system has resynchronization work outstanding. If it is a cold or warm mismatch or log name mismatch, other diagnostic messages on the local system may indicate the reason for the error. If it is not, examine the log of the remote system which should have generated diagnostic information describing the reason for the abnormal response.

For APPC protocol where a logname mismatch is suspected, override the error situation by issuing the CEMT SET CONN(sysid) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

**Note:**

If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

For IRC, the message may indicate an initial start of one system when the other has resynchronization outstanding; the resynchronization was started before the initial start occurred and becomes invalid. The associated unit of work may need to be committed by using CEMT SET UOW. The message should not recur.

**Module:** DFHCRRSY

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **sysid**
5. **netname**
6. **protocol**

**Destination**

CSMT and Console

**Explanation**

A cold start indication was received from the remote system during an exchange log names sequence. However, this system has units of work that need resynchronizing from the previous run. An exchange log names sequence is started either following a
session failure or at first session initiation after system restart; both the local and remote systems may initiate the sequence at the same time.

**System action**

Any synclevel 2 attaches are inhibited. This means that recovery activity between the two systems is prevented.

**User response**

Override the error by issuing CEMT SET CONN(sysid) NOTPENDING commands for the failing connection.

**Note:**

If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition CICS does not carry out any APPC resynchronization with the remote system.

**Module:**

DFHCRRSY

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. sysid
5. netname
6. protocol

**Destination**

CSMT and Console

**DFHRS2112**

```
date time applid Log name mismatch with system sysid, netname netname, protocol protocol. Expected LUNAME.LOGNAME local_logname Received LUNAME.LOGNAME remote_logname .
```

**Explanation**

A failure has occurred in the exchange log names process which is carried out either following a session failure or at first session initiation after system restart. This system's memory of the remote system's log name conflicts with the log name sent by the remote system.

**System action**

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

For APPC protocol, any synclevel 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

For IRC protocol, resynchronization was attempted and failed.

**User response**

For APPC, override the error by issuing the CEMT SET CONN(sysid) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

**Note:**

If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition CICS does not carry out any APPC resynchronization activity with the remote system. The message may indicate a logic error in CICS or the remote system, and you may need assistance from IBM to prevent a recurrence. See Working with IBM to solve your problem for guidance on how to proceed.

For IRC, the message may indicate the initial start of one system when the other has resynchronization outstanding; the resynchronization was started before the initial start occurred and becomes invalid. The associated unit of work may need to be committed by using CEMT SET UOW. The message should not recur.

Refer to DFHRM0240, DFHRM0241 and DFHRM0242 messages for information about changes to log names for APPC or IRC connections.

**Module:**

DFHCRRSY

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. sysid
5. netname
6. protocol
7. local_logname
8. remote_logname
**Destination**

CSMT and Console

**DFHRS2113**

\[
\text{date time applid Log name mismatch with system sysid, netname netname, protocol protocol, local LOGNAME local_logname, received LOGNAME remote_logname.}
\]

**Explanation**

This message is issued when a failure has occurred in the exchange log names process which is carried out prior to resynchronization following an earlier session failure. System sysid has sent an exchange log names request which contains the remote system's memory (remote_logname) of this system's log name (local_logname).

This system has detected a log name mismatch. This indicates that system sysid and this system do not have the correct logs for resynchronization.

**System action**

For APPC protocol, any synclevel 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

For IRC protocol, the message indicates that resynchronization was attempted and failed.

**User response**

For APPC, override the error by issuing the CEMT SET CONN(sysid) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

**Note:**

If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system. The message may indicate a logic error in CICS or the remote system, and you may need assistance from IBM to prevent a recurrence. See Working with IBM to solve your problem for guidance on how to proceed.

For IRC, the message may indicate the initial start of one system when the other has resynchronization outstanding; the resynchronization was started before the initial start occurred and becomes invalid. The associated unit of work may need to be committed by using CEMT SET UOW. The message should not recur.

**Module:**

DFHCRRSY

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. sysid
5. netname
6. protocol
7. local_logname
8. remote_logname

**Explanation**

This message is issued when an FMH7 has been received in response to an exchange log name reply. An exchange log names sequence is sent either following a session failure or at first session initiation after system restart. The remote system started the sequence, and the FMH7 reply indicates that the remote system failed to interpret the exchange log name reply data sent to it.

**System action**

For APPC protocol, any synclevel 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

For IRC protocol, the message indicates that resynchronization was attempted and failed. Communication continues.

**User response**

Investigate the cause of the error using the system dump. Format the control blocks for the trace domain and the terminal control program. (For guidance on how to do this, see the Troubleshooting and support.)

Determine from the message which session was being used for this exchange log names conversation.

The APPC send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. For
IRC, the TIOA contains the equivalent data. Check the data against the format of the exchange log names reply GDS variable. The correct format of this SNA defined field can be found in the Systems Network Architecture Formats (GA27-3136) manual.

Examine the log of the remote system. If a protocol violation was detected, the remote system may have generated diagnostic information itself which may help to diagnose the cause.

**Module:** DFHCRRSY

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. sysid
5. netname
6. protocol

**Destination**

CSMT and Console

| DFHRS2115 | date time applid protocol protocol support mismatch with system sysid, netname netname. Expected support byte X'ww', received support byte X'xx', expected extended support bytes X'yyyy', received extended support bytes X'zzzz'. |

**Explanation**

This system’s memory of the protocols previously negotiated with the remote system conflicts with the indicators sent in an exchange log names variable.

**System action**

For APPC protocol, any synclevel 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

For IRC protocols, resynchronization fails.

Communications continue normally.

**User response**

For APPC protocols, the indicators expected from a CICS Transaction Server system are: basic support, X'70'; extended support, X'C000'. For CICS/ESA 4.1 the expected indicators are: basic support, X'40'; extended support, X'0000'. If this combination of the four indicator fields appears in the message, first check that you have Initial started the partner system at the CICS Transaction Server level during a migration from CICS/ESA 4.1, or Cold started a CICS/ESA 4.1 system after running CICS Transaction Server. If this possibility can be ruled out, the message may indicate a logic error in CICS or in the remote system and you may need assistance from IBM to prevent a recurrence. See Working with IBM to solve your problem for guidance on how to proceed.

You can override the error situation by issuing CEMT SET CONN(sysid) NORECOVDATA commands for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

**Note:**

If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition CICS does not carry out any APPC resynchronization activity with the remote system.

For IRC protocols, you may need to use the CEMT SET UOW command to resolve the state of any units or work which cannot be resolved by the normal resynchronization process.

**Module:** DFHCRRSY

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. protocol
5. sysid
6. netname
7. X'ww'
8. X'xx'
9. X'yyyy'
10. X'zzzz'

**Destination**

CSMT and Console

| DFHRS2116 | date time applid Abnormal termination of exchange log names sequence received from system sysid, netname netname, protocol protocol. The connection was in a cold state. |
**Explanation**

An FMH7 has been received in response to an exchange log names reply. An exchange log names sequence is sent either following a session failure or at first session initiation after system startup. This system was either started with the SIT parameter START=INITIAL or CEMT SET CONN(sysid) NORECOVDATA has been issued, both of which reset the state of the connection. This means that no log name is stored for the remote system.

For APPC protocols, the FMH7 reply may indicate one of two causes:

- The remote system has resynchronization work outstanding following a previous failure of a conversation during sync point processing and has detected a cold/warm mismatch.
- The remote system failed to interpret the exchange log names reply data sent to it.

For IRC protocol, the problem is caused by the failure of the remote system to interpret the exchange log names reply data.

**System action**

For APPC protocol, any synclevel 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

For IRC protocol, the message indicates that resynchronization was attempted and failed. Communication continues.

**User response**

The most likely cause of the message is an initial start (as opposed to emergency restart or its equivalent) of this system when the other has resynchronization work outstanding. This can be confirmed by examining the message log of the remote system.

For APPC protocol, the connection on the remote system may need to be reset by issuing the CEMT SET CONN(sysid) NOTPENDING command against the connection entry for this system.

**Note:**

If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization.

For IRC protocol, a protocol violation or logic error is the only possible cause.

If a cold/warm mismatch is eliminated as the cause of the error, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHCRRSY

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **sysid**
5. **netname**
6. **protocol**

**Destination**

CSMT and Console

DFHRS2117  

*date time applid* Abnormal reply to  
exchange log names received from  
system sysid, netname netname,  
protocol protocol. The connection  
on this system was in a cold state.

**Explanation**

This message is issued when an abnormal reply has been received in response to an exchange log name request. An exchange log names sequence is sent either following a session failure or at first session initiation after system startup. This system was either started with the SIT parameter START=INITIAL, or CEMT SET CONN(sysid) NORECOVDATA has been issued, and no log name is stored for the remote system. The abnormal reply may indicate one of two causes in the case of APPC protocol.

- The remote system has resynchronization work outstanding following a previous failure of a conversation during sync point processing and has detected a cold/warm mismatch.
- The remote system failed to interpret the exchange log name data sent to it.

For IRC protocol, the problem is caused by the failure of the remote system to interpret the exchange log name data.

**System action**

For APPC protocol, any synclevel 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

For IRC protocol, the message indicates that resynchronization was attempted and failed. Communication continues.
User response

The most likely cause of the message is an initial start (as opposed to emergency restart or its equivalent) of this system when the other has resynchronization work outstanding. This can be confirmed by examining the message log of the remote system.

For APPC protocol, the connection on the remote system may need to be reset by issuing the CEMT SET CONN(sysid) NOTPENDING command against the connection entry for this system.

Note:

If this command is issued, CICS unilaterally commits any resources waiting for APPC resynchronization.

For IRC protocol, a protocol violation or logic error is the only possible cause.

If a cold/warm mismatch is eliminated as the cause of the error, you need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHCRRSY

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. sysid
5. netname
6. protocol

Destination
CSMT and Console

DFHRS2118 date time applid Abnormal termination of exchange log names sequence received from system sysid, netname netname, protocol protocol. There has been previous contact with that system.

Explanation

This message is issued when an FMH7 has been received in response to an exchange log name reply.

An exchange log names sequence is sent either following a session failure or at first session initiation after system startup. Both systems have records of previous contact and have log names stored which were being verified by the exchange log names protocol, which was initiated by the remote system.

The FMH7 may indicate one of two causes:

- The remote system has detected a mismatch in the log names or protocol support indicated in the exchange log name reply sent to it.
- The remote system failed to interpret the exchange log name reply data sent to it.

System action

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

For LU6.2 protocol, any syncclass 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

For IRC protocol, the message indicates that resynchronization was attempted and failed. Communication continues.

User response

For APPC protocol, the connection may need to be reset by issuing the CEMT SET CONN(sysid) NORECOVDATA command for the failing connection.

It may be necessary to issue this command (or its equivalent) on both sides of the connection.

Note:

If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

The cause of the error may be indicated by diagnostic information produced by the remote system. The system dump taken by local system can be used to investigate the possibility of an error in the exchange log names reply GDS.

Format the control blocks for the trace domain and the terminal control program. (For guidance on how to do this, see the Troubleshooting and support.)

Determine from the message which session was being used for this exchange log names conversation.

The APPC send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. For IRC, the TIOA contains the equivalent data. Check that the data against the format of the exchange log names reply GDS variable. The correct format of this SNA defined field can be found in the Systems Network Architecture Formats (GA27-3136) manual.

Module:
DFHCRRSY

**XMEOUT parameters/Message inserts**

<p>| | |</p>
<table>
<thead>
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<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>1. date</td>
<td></td>
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<tr>
<td>2. time</td>
<td></td>
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<tr>
<td>3. applid</td>
<td></td>
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<tr>
<td>4. sysid</td>
<td></td>
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<tr>
<td>5. netname</td>
<td></td>
</tr>
<tr>
<td>6. protocol</td>
<td></td>
</tr>
</tbody>
</table>

**Destination**

CSMT and Console

---

**DFHRS2134**

*date* *time* *applid* An error has occurred while sending an exchange log names request on session *sessid* to remote system *sysid*, netname *netname*, protocol *protocol*.

---

**Explanation**

An error has occurred during the transmission of an exchange log names request to a remote system. CICS was attempting to establish the connection on first contact with the partner, or to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This message implies a failure of the session used to carry the transmission.

**System action**

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

In many cases CICS continues to operate normally, and the resynchronization or connection establishment is retried in an attempt to overcome the session failure. However for APPC protocol, a repeated failure may have resulted in exchange log names flows being unsuccessful preventing any synclevel 2 attaches between the local system and the remote system.

For IRC protocol, resynchronization has failed but the connection continues to operate normally.

**User response**

Issue CEMT INQUIRE CONN(*sysid*) and look at the XOK field. If exchange log names has not been done, the exchange log names process can be retried by issuing the CEMT SET CONN(*sysid*) RESYNC command.

Investigate the cause of the error using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system, and examine the log of the remote system. If a protocol violation was detected, the remote system may have generated diagnostic information itself.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the Troubleshooting and support.)

Determine from the message which session was being used for this exchange log names conversation.

If the internal trace table is available, use it to track the commands issued against that session and check that the state transitions of the User state machine are correct. If any of the state transitions are not valid, it is possible that there has been a CICS logic error.

**Module:** DFHCRRSY

---

**XMEOUT parameters/Message inserts**

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<td>1. date</td>
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<td>2. time</td>
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<td>3. applid</td>
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<td>4. sessid</td>
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<td>6. netname</td>
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<td>7. protocol</td>
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</table>

**Destination**

CSMT and Console

---

**DFHRS2135**

*date* *time* *applid* An error has occurred while sending a compare states request on session *sessid* to remote system *sysid*, netname *netname*, protocol *protocol*.

---

**Explanation**

An error has occurred during the transmission of a compare states request to a remote system. CICS was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This implies one of the following:

- The remote system has detected a protocol violation in the local system's exchange log names GDS variable.
• Some other error in communications has occurred.

**System action**

For APPC protocol connections (but not IRC protocol), the failure may have prevented the completion of the exchange log names protocol and this prevents any synclevel 2 attaches between the local system and the remote system.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

For APPC protocol, investigate the state of the connection. Issue CEMT INQUIRE CONN(sysid) and look at the XOK field. If exchange log names has not been done, the exchange log names process can be retried by issuing the CEMT SET CONN(sysid) RESYNC command. If there has been previous successful contact between the systems the connection can be reset to its original state and retried. The state can be reset by issuing CEMT SET CONN(sysid) NORECOVDATA. It may be necessary to issue this command on both sides of the connection.

**Note:**

If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

The cause of the error may be indicated by diagnostic information produced by the remote system. Use the system dump taken by the local system to investigate the possibility of an error in the GDS variables.

Format the control blocks for the trace domain and the terminal control program. (For guidance on how to do this, see the Troubleshooting and support.)

Determine from the message which session was being used for this exchange log names conversation.

The APPC send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. For IRC, the TIOA contains the equivalent data. Check that the data against the format of the exchange log names and compare states GDS variables. The correct format of this SNA defined field can be found in the Systems Network Architecture Formats (GA27-3136) manual.

**Module:**

DFHCRRSY

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *sessid*
5. *sysid*
6. *netname*
7. *protocol*

**Destination**

CSMT and Console

**DFHRS2136**

*date time applid* An error has occurred while receiving an exchange log names reply on session *sessid* from remote system *sysid*, *netname* *netname*, protocol *protocol*.

**Explanation**

An error has occurred during an attempt to receive exchange log names reply data from a remote system. CICS was attempting to initialize the connection, or to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

The message means that:

• The remote system has detected a protocol violation in the local system's exchange log names GDS variable or compare states GDS variable and sent an FMH7 to indicate the error.

• Some other error in communication has occurred in either the local or the remote system.

**System action**

For APPC protocol the failure of exchange log names may mean that any synclevel 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

For IRC protocol, the message indicates that resynchronization was attempted and failed. Communication continues.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.
**User response**

For APPC protocol, investigate the state of the connection. Issue CEMT INQUIRE CONN(*sysid) and look at the XOK field. If exchange log names has not been done, the exchange log names process can be retried by issuing the CEMT SET CONN(*sysid) RESYNC command. If there has been previous successful contact between the systems the connection may be reset to its original state and retried. The state can be reset by issuing CEMT SET CONN(*sysid) NORECOVDATA. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

**Note:**

If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition CICS does not carry out any APPC resynchronization activity with the remote system.

The cause of the error may be indicated by diagnostic information produced by the remote system. Use the system dump taken by the local system to investigate the possibility of an error in the GDS variables.

Format the control blocks for the trace domain and the terminal control program. (For guidance on how to do this, see the Troubleshooting and support.)

Determine from the message which session was being used for this exchange log names conversation.

The APPC send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. For IRC, the TIOA contains the equivalent data. Check the data against the format of the exchange log names and compare states GDS variables. The correct format of this SNA defined field can be found in the Systems Network Architecture Formats (GA27-3136) manual.

**Module:**

DFHCRRSY

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *sessid*
5. *sysid*
6. *netname*
7. *protocol*

**Destination**

CSMT and Console

**DFHRS2137**

*date time applid* An error has occurred while receiving a compare states reply on session *sessid* from remote system *sysid*, *netname* *netname*, protocol *protocol*.

**Explanation**

An error has occurred during the receipt of a compare states reply from a remote system. CICS was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This implies one of the following:

- The remote system has detected a protocol violation in the local system's compare states GDS variable.
- There has been an internal error in CICS APPC processing.

**System action**

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

CICS continues to operate normally and the resynchronization attempt is retried at the next opportunity.

**User response**

Investigate the cause of the error first by examining the log of the remote system which may have produced diagnostic information about the data it received. The problem can be investigated locally using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

Format the system dump to show the control blocks belonging to the trace domain and the terminal control program. (For guidance on how to do this, see the Troubleshooting and support.)

Determine from the message which session was being used for this resynchronization conversation.

If the internal trace table is available, use this to track the commands issued against that session and check that the state transitions of the user state machine are correct. If any of the state transitions are not valid, it is possible that there has been a CICS logic error.
The APPC send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. Similar information is contained in the TIOA for IRC sessions. Locate the data for the session in question, and check that the contents of the buffer are correct. The buffer contains the compare states GDS variable. The correct format of this SNA defined data can be found in the Systems Network Architecture Formats (GA27-3136) manual.

Module: DFHCRRSY

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sessid
5. sysid
6. netname
7. protocol

Destination
CSMT and Console

DFHRS2138 date time applid Invalid exchange log names reply data has been received on session sessid from remote system sysid, netname netname, protocol protocol.

Explanation
The local system has received data which it attempted to parse using the exchange log names reply GDS format. Either the data could not be parsed, or invalid data was detected.

This system was attempting to initialize the connection for synclevel 2 work, or to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing. Exchange log names was sent and an invalid reply received.

This failure implies an error in the remote system or a CICS logic error.

System action
If resynchronization was being attempted it has failed and is retried at the next opportunity.

For APPC protocol connections (but not IRC protocol) the failure prevents the completion of the exchange log names protocol and this may prevent any synclevel 2 attaches between the local system and the remote system.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
For APPC protocol, investigate the state of the connection. Issue CEMT INQUIRE CONN(sysid) and look at the XOK field. If exchange log names has not been done, the exchange log names process can be retried by issuing the CEMT SET CONN(sysid) RESYNC command. If there has been previous successful contact between the systems the connection may be reset to its original state and retried. The state can be reset by issuing CEMT SET CONN(sysid) NORECOVDATA. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

Note:
If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

Investigate the cause of the error using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the Troubleshooting and support.)

An exception trace entry contains the received data, and the reason for the failure is interpreted. Check the format of the exchange log names reply GDS variable. The correct format of this SNA defined field can be found in the Systems Network Architecture Formats (GA27-3136) manual.

Module: DFHCRRSY

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sessid
5. sysid
6. netname
7. protocol
Destination
CSMT and Console

**DFHRS2139**

*date time applid* Invalid compare states reply data has been received on session *sessid* from remote system *sysid*, netname *netname*, protocol *protocol*.

**Explanation**

The local system has received data which it attempted to parse using the compare states reply GDS format. Either the data could not be parsed or invalid data was detected.

The local system was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing. Data from the remote system received in reply to the compare states was invalid.

This failure implies an error in the remote system or a CICS logic error.

**System action**

A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

The failure prevents the completion of the resynchronization of distributed resources.

**User response**

Investigate any units of work for which resynchronization is outstanding using the CEMT INQUIRE UOWLINK SYSID(*sysid*) command. Use the same command on the remote system to determine whether to commit or backout the unit of work. Alternatively, for APPC connections, resynchronization can be overridden by issuing the CEMT SET CONN(*sysid*) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

**Note:**

If this command is issued, CICS unilaterally commits any resources which may be waiting for resynchronization. Also, CICS does not carry out any resynchronization activity with the remote system.

Investigate the cause of the error using the system dump. Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the Troubleshooting and support.)

An exception trace entry contains the received data, and the reason for the failure is interpreted. Check the format of the compare states reply GDS variable. The correct format of this SNA defined field can be found in the Systems Network Architecture Formats (GA27-3136) manual.

**Module:**

DFHCRRSY

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *sessid*
5. *sysid*
6. *netname*
7. *protocol*

**Destination**

CSMT and Console

**DFHRS2140**

*date time applid* A protocol violation has occurred while resynchronizing with remote system *sysid*, netname *netname*, protocol *protocol*, via session *sessid*. The resynchronization was initiated by the local system.

**Explanation**

The local system has detected a protocol violation while resynchronizing with the remote system. CICS was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing. The resynchronization was initiated by the local system.

This implies one of the following:

- An error was detected by the remote system and the resynchronization sequence was abnormally terminated.
- A logic error exists in the remote system which caused it to send invalid data.
- A CICS logic error.

**System action**

CICS continues to operate normally and the resynchronization attempt is retried at the next opportunity.
A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Diagnostics may have been output by the local CICS system, the access methods, or the operating system. Also, investigate the cause of the error in the remote system. It may have produced diagnostic messages indicating why the resynchronization sequence was terminated.

The resynchronization sequence can be analyzed locally by formatting the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the Troubleshooting and support.)

Determine from the message which session was being used for this resynchronization conversation.

The trace entries for the DFHCRRSY program show the state of the conversation which was being used and the data received. At the point of failure a confirmation was expected from the remote system as the final flow in the sequence but was not received.

Compare the resynchronization flows with those documented in the z/OS Communications Server: SNA Programmer's LU 6.2 Reference manual, (SC30-6808). A possible cause of this error is that the remote system did not observe the correct protocols. Investigation at the remote system may be necessary.

**Module:**
DFHCRRSY

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *sysid*
5. *netname*
6. *protocol*
7. *sessid*

**Destination**

CSMT and Console

DFHRS2141 *date time applid* A protocol violation has occurred while resynchronizing with remote system *sysid*, netname *netname*, protocol *protocol*, via session *sessid*. The resynchronization was initiated by the remote system.

**Explanation**

The local system has detected a protocol violation while resynchronizing with the remote system. CICS was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing. The resynchronization was initiated by the remote system.

This implies one of the following:

- An error was detected by the remote system and the resynchronization sequence was abnormally terminated.
- A logic error exists in the remote system which caused it to send invalid data.
- A CICS logic error.

**System action**

CICS continues to operate normally and the resynchronization attempt is retried at the next opportunity.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

See any diagnostics output by the local CICS system, the access methods, or the operating system. Also, investigate the cause of the error in the remote system; it may have produced diagnostic messages indicating why the resynchronization sequence was terminated.

The resynchronization sequence can be analyzed locally by formatting the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the Troubleshooting and support.)

Determine from the message which session was being used for this resynchronization conversation.

The trace entries for the DFHCRRSY program show the state of the conversation which was being used and the data received. At the point of failure a request confirmation message was expected from the remote system as the third flow in the sequence but was not received.

Compare the resynchronization flows with those documented in the z/OS Communications Server: SNA Programmer's LU 6.2 Reference manual, (SC30-6808).
A possible cause of this error is that the remote system did not observe the correct protocols; investigation at the remote system may be necessary.

**Module:**
DFHCRRSY

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *sysid*
5. *netname*
6. *protocol*
7. *sessid*

**Destination**
CSMT and Console

DFHRS2142  ***date time applid*** Compare states request data could not be received on session *sessid* from remote system *sysid*, netname *netname*, protocol *protocol*.

**Explanation**
The local system has received an exchange log names request from the remote system but failed while attempting to receive subsequent data which was assumed to be a compare states GDS variable. The remote system was probably attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This implies one of the following:
- An error in the remote system
- A session failure during the resynchronization
- A CICS logic error.

**System action**
A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

The resynchronization attempt should be retried at the next opportunity by the remote system. However, for APPC protocol connections, the failure may have resulted in exchange log names flows being unsuccessful and this prevents any syncllevel 2 attaches between the local system and the remote system.

**User response**
Issue CEMT INQUIRE CONN(*sysid*) and look at the XOK field. If exchange log names has not been done, the error situation may be correctable by issuing CEMT SET CONN(*sysid*) RESYNC. If this fails to cure the problem, resynchronization can be canceled for an APPC connection by issuing the CEMT SET CONN(*sysid*) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

**Note:**
If this command is issued, CICS unilaterally commits any resources which may be waiting for resynchronization. In addition, CICS does not carry out any resynchronization activity with the remote system.

Investigate the cause of the error using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the Troubleshooting and support.)

Locate the exception trace entries for the DFHCRRSY program and examine any data sent by the remote system. Also examine the state of the conversation at the point of failure. It should have been in receive state.

A possible cause is that the remote system did not send valid data or failed to follow the protocol for compare states. Compare the resynchronization flows with those documented in the z/OS Communications Server: SNA Programmer’s LU 6.2 Reference manual, (SC30-6808). Investigation at the remote system may be necessary.

**Module:**
DFHCRRSY

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *sessid*
5. *sysid*
6. *netname*
7. *protocol*
**Destination**
CSMT and Console

**DFHRS2143**  
confirmation was not received on session sessid from remote system sysid, netname netname, protocol protocol.

**Explanation**
The local system sent a Do_know GDS variable to the remote system but did not receive a valid reply. This indicates an earlier failure of a protected conversation during sync point processing and the resolution of the unit of work. This system was using the Do_know GDS variable to cause resynchronization to be started by the remote system.

This implies an error in the remote system or a CICS logic error.

**System action**
The resynchronization attempt should be retried at the next opportunity by the remote system.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Issue CEMT SET CONN(sysid) RESYNC to cause resynchronization to be retried.

Investigate the cause of the error using the system dump and any previously output diagnostic information provided by CICS, the access methods or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the Troubleshooting and support.)

Locate the exception trace entries for the DFHCRRSY program and examine any data sent by the remote system. Also examine the state of the conversation at the point of failure.

A possible cause is that the remote system did not send valid data, or failed to follow the protocol for Do_Know in which case it may be necessary to obtain further diagnostic material from the remote system.

**Module:**
DFHCRRSY

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **sessid**
5. **sysid**
6. **netname**
7. **protocol**

**Destination**
CSMT and Console

**DFHRS2144**  
confirmation was not received on session sessid from remote system sysid, netname netname, protocol protocol.

**Explanation**
The local system sent a System_restart GDS variable to the remote system but did not receive a valid reply. This indicates that the local system has restarted and not previously contacted the remote system as part of the initiation of resynchronization protocols.

This indicates an error in the remote system or a CICS logic error.

**System action**
The transmission of the message is retried the next time the connection is initialized.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Issue CEMT SET CONN(sysid) RESYNC to cause transmission to be retried.

Investigate the cause of the error using the system dump and any diagnostic information provided by CICS, the access methods, or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the Troubleshooting and support.)

Locate the exception trace entries for the DFHCRRSY program and examine any data sent by the remote system. Also examine the state of the conversation at the point of failure.
A possible cause is that the remote system did not send valid data or failed to follow the protocol for the System_restart message. In this case it may be necessary to obtain further diagnostic material from the remote system.

**Module:**
DFHCRRSY

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. sessid
5. sysid
6. netname
7. protocol

**Destination**
CSMT and Console

DFHRS2145  
*date time applid*  
Invalid exchange log names data has been received on session *sessid* from remote system *sysid*, netname *netname*, protocol *protocol*.

**Explanation**
The local system has received data which it attempted to parse using the exchange log names GDS format. Either the data could not be parsed or invalid data was detected.

The remote system was attempting to initialize the connection for synclevel 2 work or to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing. Exchange log names is sent in both of these cases.

This failure indicates either an error in the remote system or a CICS logic error.

**System action**
A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

If resynchronization was being attempted, it has failed and is retried at the next opportunity.

For APPC protocol connections (but not IRC protocol), the failure prevents the completion of the exchange log names protocol. This prevents any synclevel 2 attaches between the local system and the remote system.

**User response**
For APPC protocol connections, issue CEMT INQUIRE CONN(sysid) and look at the XOK field. If exchange log names has not been done but there has been previous contact between the systems, the error can be overridden by resetting the state of the connection. To do this, issue CEMT SET CONN(sysid) NORECOVCDATA commands for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

**Note:**
If this command is issued, CICS unilaterally commits any resources waiting for APPC resynchronization. Also CICS does not carry out any APPC resynchronization activity with the remote system.

Investigate the cause of the error using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the Troubleshooting and support.)

An exception trace entry contains the received data, and the reason for the failure is interpreted. Check the format of the exchange log names GDS variable. The correct format of this SNA defined field can be found in the Systems Network Architecture Formats (GA27-3136) manual.

The format of the GDS variable is incorrect and the cause of the error should be located. A likely cause is that the remote system did not send a valid GDS variable in which case it may be necessary to obtain further diagnostic material from the remote system.

**Module:**
DFHCRRSY

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. sessid
5. sysid
6. netname
7. protocol
Destination
CSMT and Console

DFHRS2146  
**date time applid** Invalid compare states data has been received on session **sessid** from remote system **sysid**, **netname** **netname**, **protocol** **protocol**.

Explanation
The local system has received data which it attempted to parse using the compare states GDS format. Either the data could not be parsed or invalid data was detected.

The remote system was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing. This failure indicates either an error in the remote system or a CICS logic error.

System action
A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

The failure prevents the completion of the resynchronization of distributed resources.

User response
Investigate any units of work for which resynchronization is outstanding using the command CEMT INQUIRE UOWLINK SYSID(**sysid**). Use the same command on the remote system to determine whether to commit or backout the unit of work. Alternatively, resynchronization can be overridden by issuing the CEMT SET CONN(**sysid**) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

**Note:**
If this command is issued, CICS unilaterally commits any resources which may be waiting for resynchronization. In addition CICS does not carry out any resynchronization activity with the remote system.

Investigate the cause of the error using the system dump and any diagnostic information provided by CICS, the access methods, or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the Troubleshooting and support.)

An exception trace entry contains the received data, and the reason for the failure is interpreted. Check the format of the compare states GDS variable. The correct format of this SNA defined field can be found in the Systems Network Architecture Formats (GA27-3136) manual.

The format of the GDS variable is incorrect and the cause of the error should be located. A possible cause is that the remote system did not send a valid GDS variable, in which case it may be necessary to obtain further diagnostic material from the remote system.

**Module:**
DFHCRRSY

XMEOUT parameters/Message inserts
1. **date**
2. **time**
3. **applid**
4. **sessid**
5. **sysid**
6. **netname**
7. **protocol**

Destination
CSMT and Console

DFHRS2147  
**date time applid** Unrecognized data was received following transmission of an exchange log names reply on session **sessid** to remote system **sysid**, **netname** **netname**, **protocol** **protocol**.

Explanation
An exchange log names request was received from another system and a reply was sent. More data was expected from the other system but this was not recognized as part of the exchange log names protocol.

This implies one of the following:
- The remote system has detected a protocol violation in the local system's exchange log names reply GDS variable.
- There has been an internal error in CICS processing.

System action
A system dump is taken unless you have specifically suppressed dumps in the dump table.
Message DFHME0116, which contains the symptom string for this problem, is produced.

For APPC protocol, the failure may have resulted in no exchange log name flows being successful preventing any synclevel 2 attaches between the local system and the remote system.

For IRC protocol, resynchronization may fail but communications links remain active.

**User response**

For links using APPC protocol, issue CEMT INQUIRECONN(sysid) and look at the XOK field. If exchange log names has not been done, the error situation can be overridden by issuing the CEMT SET CONN(sysid) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

**Note:**

If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

Investigate the cause of the error using the system dump and any diagnostic information provided by CICS, the access methods, or the operating system. The remote system may also have created diagnostic messages if it detected an error in the data it received.

The data sent by the local system can be investigated by formatting the system dump to show the control blocks belonging to the trace domain and the terminal control program. (For guidance on how to do this, see the Troubleshooting and support.)

Determine from the message which session was being used for this exchange log names conversation.

If the internal trace table is available, use it to track the commands issued against that session and check that the state transitions of the user state machine are correct. If any of the state transitions are not valid, it is possible that there has been a CICS logic error.

The APPC send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. The TIOA contains similar information for IRC. Locate the send/receive buffer for the session in question and check that the contents of the buffer are correct. The buffer should contain a valid exchange log names GDS reply variable. The correct format of this SNA defined field can be found in the Systems Network Architecture Formats (GA27-3136) manual.

**Module:**

DFHCRRSY

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. sessid
5. sysid
6. netname
7. protocol

**Destination**

CSMT and Console

<table>
<thead>
<tr>
<th>DFHRS2148</th>
<th>date time applid</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFHRS2148</td>
<td>Resynchronization with system sysid, netname netname, protocol protocol was attempted but was terminated because no partner log name was found.</td>
</tr>
</tbody>
</table>

**Explanation**

CICS has initiated a resynchronization sequence following the failure of a protected conversation during syncpoint processing. No valid log name was found for the partner system. The resynchronization could not continue.

This message indicates that a CEMT SET CONNECTION NORECOVDATA command was issued before the resynchronization with the partner system could be completed. The UOW and UOWLINK describing the outstanding work have also been deleted.

**System action**

None. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

None. This message is issued for information only.

**Module:**

DFHCRRSY

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. sysid
5. netname
6. protocol

Chapter 2. CICS messages 1793
Resynchronization/Exchange log names with system netname (protocol protocol) could not be executed because no suitable connection entry was found.

Explanation
CICS has initiated a resynchronization sequence following the failure of a protected conversation during syncpoint processing. Data exists describing the conversation but no suitable connection definition was found for the partner system. The resynchronization could not continue because communications could not be established.

System action
Processing continues.

User response
The condition may be due to the discarding of the connection definition or to a cold start which has caused a connection definition to be deleted by CICS; the definition may have been autoinstalled. An autoinstalled definition may be reinstalled by subsequent activity in the system. Alternatively, a suitable definition can be installed manually using CEDA.

Module:
DFHCRRSY

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. protocol

Destination
CSMT

Invalid data has been received during the resynchronization sequence on session sessid from remote system sysid, netname netname, protocol protocol.

Explanation
The local system has received data which it attempted to parse as one of the following types of SNA GDS data:
- Exchange log names
- Do_know
- System_restart

The data could not be recognized.

The remote system was attempting to initialize the connection for synclevel 2 work, or to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This failure implies one of the following:
- An error was detected by the remote system and it sent an error indication in an FMH7.
- An error has occurred in the remote system.
- A CICS logic error has occurred.

System action
A system dump is taken unless you have specifically suppressed dumps in the dump table.
Message DFHME0116, which contains the symptom string for this problem, is produced.

If resynchronization was being attempted, it has failed and is retried at the next opportunity.

For APPC protocol connections (but not IRC protocol), the failure prevents the completion of the exchange log names protocol and this prevents any synclevel 2 attaches between the local system and the remote system.

User response
For APPC protocol connections, issue CEMT INQUIRE CONN(sysid), and examine the XOK field. If exchange log names has not been done but there has been previous contact between the systems, the error can be overridden by resetting the state of the connection. To do this, issue the CEMT SET CONN(sysid) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

Note:
If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.
Investigate the cause of the error using the system dump and any diagnostic information provided by CICS, the access methods, or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on this, see the Troubleshooting and support.)

An trace entry contains the received data. Check the format of this data. The correct format of the SNA defined field can be found in the Systems Network Architecture Formats (GA27-3136) manual.

A possible cause is that the remote system did not send a valid GDS variable. In this case, it may be necessary to obtain further diagnostic material from the remote system.

**Module:** DFHCRRSY

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. sessid
5. sysid
6. netname
7. protocol

**Destination**

CSMT and Console

**DFHRS2151**

| date | time | applid | Invalid data has been received during the resynchronization sequence on session sessid from remote system sysid, netname netname, protocol protocol. |

**Explanation**

The local system was attempting to receive data as part of a resynchronization sequence but the conversation was in the wrong state or an error FMH was received.

The remote system was attempting to initialize the connection for synclevel 2 work or to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

The failure implies one of the following:

- An error was detected by the remote system and it sent an error indication in an FMH7.
- An error occurred in the remote system

- A CICS logic error has occurred.

**System action**

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

If resynchronization was being attempted, it has failed and will be retried at the next opportunity.

**User response**

The sequence of resynchronization can be retried by issuing CEMT SET CONN(sysid) RESYNC.

Investigate the cause of the error using the system dump and any diagnostic information already issued by CICS, the access methods or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the Troubleshooting and support.)

The trace entries show the state of the conversation with the remote system and the arrival of any error FMH indicating an error detected in the remote system. If necessary, obtain further diagnostic material from the remote system.

**Module:** DFHCRRSY

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. sessid
5. sysid
6. netname
7. protocol

**Destination**

CSMT and Console

**DFHRS2152**

| date | time | applid | A conversation error has occurred during resynchronization sequence on session sessid initiated to remote system sysid, netname netname, protocol protocol. |

Chapter 2. CICS messages 1795
**Explanation**

The local system has initiated a sequence of resynchronization exchanges with the partner system and has completed one or more of them. The conversation is not in the right state to continue the process.

The failure indicates either an error in the remote system or a CICS logic error.

**System action**

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

If resynchronization was being attempted, it has failed and is retried at the next opportunity.

**User response**

The sequence of resynchronization can be retried by issuing CEMT SET CONN(sysid) RESYNC.

Investigate the cause of the error using the system dump and any diagnostic information provided by CICS, the access methods, or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the Troubleshooting and support.)

The trace entries show the state of the conversation with the remote system. The arrival of any error FMH indicates an error in the remote system. In this case it may be necessary to obtain further diagnostic material from the remote system.

**Module:** DFHCRRSY

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. sessid
5. sysid
6. netname
7. protocol

**Destination**

CSMT and Console

DFHRS2153  

**a system_restart request on session sessid to remote system sysid, netname netname, protocol protocol.**

**Explanation**

An error has occurred during the transmission of a System_restart request to a remote system. CICS was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This implies one of the following:

- The remote system has detected a protocol violation during the preceding exchange log names sequence.
- Some other error in communications has occurred.

**System action**

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

The cause of the error may be indicated by diagnostic information produced by the remote system. Diagnostics issued by the local system, the access method, or the operating system may indicate a reason for the failure. Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the Troubleshooting and support.)

Determine from the message which session was being used for this exchange log names conversation.

If the internal trace table is available, use it to track the commands issued against the session reported in the message. Check that the state transitions of the user state machine are correct and that the conversation was in send state at the time of the error. If any of the state transitions are not valid, there may have been a CICS logic error.

**Module:** DFHCRRSY

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. sessid
5. sysid
6. netname
7. protocol

Destination
CSMT and Console

DFHRS2154  date time applid A logic error has occurred during resynchronization with system sysid, netname netname.

Explanation
A logic error has occurred during resynchronization with the partner system.
The local data associated with the resynchronization was locked at the start of processing but could not be unlocked at the end.

System action
A system dump is taken unless you have specifically suppressed dumps in the dump table.
Message DFHME0116, which contains the symptom string for this problem, is produced.
An ASQL abend is subsequently issued by the transaction processing the resynchronization, and a transaction dump is taken.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHCRRSY

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sysid
5. netname

Destination
CSMT

DFHRS2156  date time applid A logic error occurred during resynchronization with system sysid, netname netname.

Explanation
A change in the generic resource member associated with the partner system has occurred but the local system has resynchronization work to complete.
The local system has previously made contact with the generic resource known as connection sysid (netname netname), and synclevel(2) work has been exchanged with the assigned member, identified by old-luname. Since that time, the affinity with old-luname has been changed to new-luname by action in the remote system. Resynchronization of the synclevel(2) work cannot take place.

System action
No system action is taken, but subsequent messages may indicate an exchange log names failure which could prevent the connection being used for synclevel(2) work. Alternatively, messages may indicate that resynchronization work has subsequently been erased by CICS as a result of the XLNACTION setting on the connection definition.

User response:

Module:
DFHCRRSY

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sysid
5. netname
6. old-luname
7. new-luname

Destination
CSMT

DFHRS2155  date time applid Affinity changed by partner resource known as connection sysid, netname netname. Old LUNAME was old-

Chapter 2. CICS messages 1797
located and locked, but could not be unlocked in subsequent processing. This indicates a CICS internal logic error.

**System action**
A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

An ASQK abend is subsequently issued by the transaction processing the resynchronization, and a transaction dump is taken.

**User response**
The condition indicates an error in the CICS table manager (which may have produced its own exception trace records), or in the resynchronization program itself. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHCRRSY

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. sysid
5. netname

**Explanation**
The CLS2 transaction was executing exchange log names and attempted to save a log name received from system sysid (netname netname) by invoking the CICS recovery manager domain. This operation failed because of a CICS internal error in the recovery manager domain or in the resynchronization program. The transaction is terminated with a transaction dump.

A system dump is taken unless you have specifically suppressed dumps in the dump table. Abend ASQI is subsequently issued.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHCRRSY

**Destination**
CSMT

**DFHRS2157** date time applid A logic error has occurred during resynchronization with system sysid, netname netname.

**Explanation**
The CLS2 transaction was executing exchange log names and attempted to save a log name received from system sysid (netname netname) by invoking the CICS recovery manager domain. This operation failed because of a CICS internal error in the recovery manager domain or in the resynchronization program.

**System action**
The transaction is terminated with a transaction dump. A system dump is taken unless you have specifically suppressed dumps in the dump table. Abend ASQI may subsequently be issued.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHCRRSY
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. sysid

5. netname

Destination
CSMT

DFHRTnnnn messages

DFHRT0001 applid An abend (code aaaa/bbbb) has occurred at offset X’offset’ in module modname.

Explanation
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the z/OS MVS System Codes manual.

Next, look up the CICS abend code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

For further information about code, see the Troubleshooting and support.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHRTSU

XMEOUT parameters/Message inserts

1. applid
2. aaaa/bbbb
3. X’offset’
4. modname

Destination
Console

DFHRT0002 applid A severe error (code X’code’) has occurred in module modname.

Explanation
An error has been detected in module modname. The code X’code’ is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System action
An exception entry (code X’code’ in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain.
In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHRTSU

**XMEOUT parameters/Message inserts**

1. applid
2. X'code'
3. modname

**Destination**

Console

**DFHRT4401** *applid* No transaction identification specified. Please try again.

**Explanation**

The terminal operator has not entered an identifier for this transaction.

**System action**

CICS processing continues.

**User response**

Enter a valid transaction identifier.

**Module:** DFHRTSU

**Destination**

Terminal End User

**DFHRT4402** *applid* You cannot use a Program Function key to start transactions on other systems.

**Explanation**

Program function keys cannot be used to initiate a transaction on another system using the routing transaction (CRTE).

**System action**

CICS processing continues.

**User response**

Enter a valid transaction identifier.

**Module:** DFHRTE

**Destination**

Terminal End User

**DFHRT4403** *applid* The routing session to system *sysid* has been terminated. Further transactions will not be routed to the connected system.

**Explanation**

The routing session has been terminated. Subsequent transaction identifiers will not be shipped to the connected system.

**System action**

CICS processing continues without the connection to system *sysid*.

**User response**

If you need to use system *sysid*, investigate why the routing session has terminated.

**Module:** DFHRTE

**Destination**

Terminal End User

**DFHRT4404** *applid* Please change format of request to CRTE SYSID=XXXX,TRPROF=YYYYYYYY.
Explanation
The request to the routing transaction CRTE contained incorrect syntax.

System action
CICS processing continues.

User response
Reenter the request to the routing transaction CRTE using the correct syntax.

Module:
DFHRTE

Destination
Terminal End User

**DFHRT4405**

*time applid System sysid* cannot be found. Please check that you have used the correct system name.

Explanation
System *sysid* is not defined to CICS.

System action
CICS processing continues.

User response
Check that you have used the correct system name. Either reenter the request specifying the correct system name, or define system *sysid* to CICS.

Module:
DFHRTE

Destination
Terminal End User

**DFHRT4406**

*time applid System sysid* is released, back-level or is not in service.

Explanation
The system *sysid* is released, back-level or is not in service.

System action
CICS processing continues. If a routing session had been established before the connection became unavailable, it remains in force until the user enters CANCEL. If the connection becomes usable before this, transactions are again routed. If this message is in response to the initial CRTE command, no routing session is in force and no routing is attempted for subsequent terminal input. If you are using IPIC with the CRTE transaction, the partner system is running a CICS release that does not support this routing service.

User response
If MRO is being used, wait until system *sysid* becomes available. Enter CANCEL to terminate an existing routing session. If IPIC is being used, verify that the CICS systems are at a release level where transaction routing over IPIC connections is supported. This support is in CTS 4.1 and higher level systems. Consider setting up MRO connections between the CICS systems.

Module:
DFHRTE

Destination
Terminal End User

**DFHRT4407**

*time applid* This system does not include support of Intersystem Communication.

Explanation
The system has not been generated with support for intersystem communication.

System action
CICS processing continues without support for intersystem communication.

User response
Generate the system with support for intersystem communication.

Module:
DFHRTE

Destination
Terminal End User

**DFHRT4408**

*time applid Terminal termid* is not of the type supported by routing transaction *tranid*. 

Chapter 2. CICS messages 1801
The routing transaction does not support the type of terminal being used.

**System action**
CICS processing continues without support for terminal `termid`.

**User response**
Use a terminal of the type supported by the routing transaction, that is, a 3270 display terminal or a console.

**Module:** DFHRT4400

**Destination**
Terminal End User

**DFHRT4409** *time applid* The routing session to system `sysid` has been started.

**Explanation**
The routing session has been started.

**System action**
CICS processing continues.

**User response**
None.

**Module:** DFHRT4400

**Destination**
Terminal End User

**DFHRT4410** *time applid* System `sysid` is unavailable. The routing session to it is terminated.

**Explanation**
The routing transaction has been terminated because the system became unavailable. Subsequent transaction identifiers will not be shipped to the connected system.

**System action**
CICS processing continues.

**User response**
Enter a valid transaction ID, or install the transaction on the remote system.

**Module:** DFHRT4410

**Destination**
Terminal End User

**DFHRT4412** *time applid* The transaction code is not defined on the remote system.

**Explanation**
A transaction identification, routed to a remote CICS system, is not an installed transaction definition in the remote system. CICS directs this message to the terminal at which the transaction identification was entered.

This message is similar to DFHAC2001 in a local system.

**System action**
CICS stops initialization of the transaction.

**User response**
Enter a valid transaction ID, or install the transaction on the remote system.
Module:
DFHZTSP, DFHAPRR

Destination
Terminal End User

DFHRT4413  time applid The transaction has been disabled on the remote system.

Explanation
A transaction, routed to a remote CICS system, is disabled in the installed transaction definition of the remote system. CICS directs this message to the terminal at which the transaction identification was entered.

This message is similar to DFHAC2008 in a local system.

System action
CICS stops initialization of the transaction.

User response
Enable the transaction on the remote system.

Module:
DFHZTSP, DFHAPRR

Destination
Terminal End User

DFHRT4414  time applid Transaction tranid cannot run. CICS shutdown is in progress in the remote system.

Explanation
A transaction tranid was routed to a remote CICS system that was being quiesced. CICS directs this message to the terminal at which the transaction identification was entered.

This message is similar to DFHAC2007 in a local system.

System action
The remote CICS system continues quiescing.

User response
Reenter the transaction when the remote CICS system is in normal execution mode.

Module:
DFHRT4415  time applid Transaction CXRT was invoked directly by terminal input. This is not allowed.

Explanation
The transaction code CXRT, which is reserved for an internal CICS transaction, was entered from a terminal.

System action
The transaction is run with no effect.

User response
Do not enter transaction code CXRT at a terminal.

Module:
DFHCRT

Destination
Terminal End User

DFHRT4416  date time applid Abend abcode has occurred in the {Dynamic | Distributed} Routing Program. Module name: modname.

Explanation
Either the dynamic routing program or the distributed routing program has abnormally terminated with abend code abcode.

System action
1. Transaction Routing - normal transaction abend processing continues.
2. Dynamic Distributed Program Link - a PGMIDERR condition is returned to the program issuing the Link command.
3. Non-terminal dynamically routed start requests - normal transaction abend processing continues unless the abend is during task termination. In this case message DFHRT4423 is issued.

User response
See the description of abend code abcode for further guidance.
If the code is not a CICS transaction abend code, it is a user abend code. Request an explanation from the programmer responsible for this area.

Module:
DFHAPRT, DFHEIIC, DFHEPC, DFHICXM

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. abcode
5. Value chosen from the following options:
   1. Dynamic
   2. Distributed
6. modname

**Destination**

CSMT

**DFHRT4418**

| date | time | applid | Abend | abcode | in modname | - {Dynamic | Distributed} routing program resource definition not found.

**Explanation**

CICS was unable to find a PROGRAM resource definition for EITHER the dynamic routing program OR the distributed routing program.

**System action**

1. Transaction Routing - normal transaction abend processing continues.
2. Dynamic Distributed Program Link - a PGMIDERR condition is returned to the program issuing the Link command.
3. Non-terminal dynamically routed start requests - normal transaction abend processing continues unless the abend is during task termination. In this case message DFHRT4423 is issued.

**User response**

Ensure that EITHER
1. the dynamic routing program specified by the system initialization parameter DTRPGM=program name, or specified via the EXEC CICS SET SYSTEM DTRPROGRAM(program name) has been correctly defined to CICS
2. the distributed routing program specified by the system initialization parameter DSRTPGM=program name, or specified via the EXEC CICS SET SYSTEM DSRTPROGRAM(program name) has been correctly defined to CICS

Module:
DFHAPRT, DFHEIIC, DFHEPC, DFHICXM
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. abcode
5. modname
6. Value chosen from the following options:
   1=Dynamic,
   2=Distributed

Destination

CSMT

DFHRT4419  date time applid Abend abcode in modname - Fetch for {dynamic / distributed} routing program failed.

Explanation

CICS was unable to load EITHER the dynamic routing program or the distributed routing program.

System action

1. Transaction Routing - normal transaction abend processing continues.
2. Dynamic Distributed Program Link - a PGMIDERR condition is returned to the program issuing the Link command.
3. Non-terminal dynamically routed start requests - normal transaction abend processing continues unless the abend is during task termination. In this case message DFHRT4423 is issued.

User response

Ensure that EITHER
1. the dynamic routing program specified by the system initialization parameter DTRPGM=program name, or specified via the EXEC CICS SET SYSTEM DTRPROGRAM(program name) has been correctly defined. Ensure that it is also in a load library accessible to CICS.
2. the distributed routing program specified by the system initialization parameter DSRTPGM=program name, or specified via the EXEC CICS SET SYSTEM DSRTPROGRAM(program name) has been correctly defined. Ensure that it is also in a load library accessible to CICS.

Module:

DFHAPRT, DFHEIIC, DFHEPC, DFHICXM

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. abcode
5. modname
6. Value chosen from the following options:
   1=dynamic,
   2=distributed

Destination

CSMT

DFHRT4420  date time applid Abend abcode in modname - Link to the {dynamic / distributed} routing program failed.

Explanation

An unexpected return code was returned from the link to the dynamic routing program.

System action

1. Transaction Routing - normal transaction abend processing continues.
2. Dynamic Distributed Program Link - a PGMIDERR condition is returned to the program issuing the Link command.
3. Non-terminal dynamically routed start requests - normal transaction abend processing continues unless the abend is during task termination. In this case message DFHRT4423 is issued.

User response

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:

DFHAPRT, DFHEIIC, DFHEPC, DFHICXM

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. abcode
5. modname
6. Value chosen from the following options:
   1=dynamic,
   2=distributed

Destination
CSMT

DFHRT4421  
\textit{date time applid} Unable to Delete remote Terminal termid that is connected to system sysid.

Explanation
A transaction could not be started because the remote terminal definition for termid, system sysid was flagged for deletion but the DELETE failed. This might indicate a transaction looping on the terminal.

System action
The user transaction abends with abend code AZTI.

User response
Check that you have used the correct system name. Either reenter the request specifying the correct system name, or define the connection to system sysid as an MRO or APPC connection.

Module:
DFHRT4E

Destination
Terminal End User

DFHRT4422  
\textit{time applid} The connection to system sysid does not support transaction routing. Please check that you have used the correct system name.

Explanation
The connection to system sysid is not an MRO or APPC connection.

System action
CICS processing continues.

User response
None

Module:
DFHICXM

Destination
CSMT and Console

DFHRT4424  
\textit{time applid} Use of EDF is not supported with IPIC communication to system sysid. The routing session is still active.
To terminate the routing session type CANCEL.

**Explanation**

There has been an attempt to use EDF with transaction routing to the system identified and IPIC communication is in use to that system. Use of EDF with IPIC communication is not supported to system sysid. The system identified is running a CICS release which does not support use of EDF with IPIC communication.

**System action**

CICS processing continues. If a CRTE routing session had been established, it remains in force until the user enters CANCEL.

**User response**

Consider setting up an MRO or ISC connection between the CICS systems, or use EDF from a terminal which is locally attached to the system identified.

**Module:** DFHRTE

---

**Destination**

Terminal End User

**DFHRT4480**

time applid The CSSF transaction is no longer supported. Please use CESF.

**Explanation**

A user has attempted to run the CSSF transaction. The CSSF transaction is only invoked internally by CICS for CRTE cancel processing.

**System action**

The transaction terminates.

**User response**

Use the CESF transaction to sign off.

**Module:** DFHRTC

---

**Destination**

Terminal End User

**DFHRUnnnn message**

**DFHRU2816** applid Exit program programe is not available

**Explanation**

The user-defined global exit program, programe, is

- not defined, or
- disabled, or
- missing from the program library.

**System action**

CICS abnormally terminates the recovery control restart task with transaction abend ARCB. CICS then terminates abnormally.

**User response**

Make program programe available.

**Module:** DFHRCEX

---

**XMEOUT parameters/Message inserts**

1. applid
2. programe
Destination

Console

DFHRVnnnn messages

DFHRV0002  applid A severe error (code 'X'code') occurred in module modname.

Explanation

An error occurred in module modname. The code 'X'code' is the exception trace point ID that uniquely identifies what the error is and where the error was detected. For more information about CICS exception trace entries, see Troubleshooting and support.

System action

An exception entry (code code in the message) is made in the trace table. A system dump is taken, unless you suppressed dumps in the dump table.

CICS continues unless you specified in the dump table that CICS must terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Inform the systems programmer. This exception entry indicates a possible error in CICS code. The severity of its impact depends on the importance of the function that was running at the time of the error.

CICS might not terminate.

If the message occurs once and module modname is not crucial to the running of your CICS system, you might decide to continue to run and terminate CICS at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you must terminate CICS in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:

DFHAMAO, DFHAMIO

XMEOUT parameters/Message inserts

1. applid

Destination

Console

DFHRV1000 E  applid The resource overrides file has failed to parse.

Explanation

The resource overrides file has failed to parse. Refer to the DFHYMnnnn messages sent to the DFHCXRF extrapartition data set for details of the specific errors.

System action

After issuing this message, CICS system initialization terminates abnormally.

User response

Correct the errors in the resource overrides file that are identified by the DFHYMnnnn messages sent to DFHCXRF and restart CICS.

Module:

DFHAMIO

XMEOUT parameters/Message inserts

1. applid

Destination

Console

DFHRV1001 W  date time applid Override rule is for an obsolete resource type resourcetype at line line.

Explanation

A resource override in the resource overrides file is for an obsolete resource type resourcetype. All override rules for this resource type are ignored.

System action

CICS initialisation continues.
User response
Correct the resource type or remove the override rule in the resource overrides file to avoid this message.

Module:
DFHAMIO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. resourcetype
5. line

Destination
CSMT

DFHRV1002 E  
**date time applid**
Override rule for resource type **resourcetype** specifies an invalid value **'resourcename'** for the resource name at line **line**.

Explanation
In the resource overrides file at line **line**, an override rule for a resource type **resourcetype** specifies an attribute **attributename** that is not supported for the resource type.

System action
Processing of the resource overrides file continues and completes, then CICS terminates abnormally with message DFHSI1612.

User response
Correct the attribute name or remove the override rule in the resource overrides file and restart CICS.

Module:
DFHAMIO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. resourcetype
5. attributename
6. line

Destination
CSMT

DFHRV1003 E  
**date time applid**
Override rule for a resource type **resourcetype** resource specifies an invalid attribute **attributename** at line **line**.

Explanation
In the resource overrides file at line **line**, an override rule for a resource type **resourcetype** specifies an attribute **attributename** that is not supported for the resource type.

System action
Processing of the resource overrides file continues and completes, then CICS terminates abnormally with message DFHSI1612.

User response
Correct the attribute name or remove the override rule in the resource overrides file and restart CICS.

Module:
DFHAMIO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. resourcetype
5. attributename
6. line

Explanation
In the resource overrides file at line **line**, an override rule for a resource type **resourcetype** resource specifies an invalid value **'attributevalue'** for the attribute **attributename** at line **line**.

Refer to the earlier DFHCA5519 or DFHCA5522 message for details.
System action
Processing of the resource overrides file continues and completes, then CICS terminates abnormally with message DFHSI1612.

User response
Correct the value of the attribute or remove the override rule in the resource overrides file and restart CICS.

Module:
DFHAMIO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. resourcetype
5. attributevalue
6. attributename
7. line

Destination
CSMT

DFHRV1005 E date time applid Override rule for a resourcetype resource specifies an invalid value of 'attributevalue' for integer attribute attributename at line line.

Explanation
In the resource overrides file at line line, an override rule for the specified resource specifies a value attributevalue for an integer attribute attributename that is outside the valid range for the attribute.

System action
Processing of the resource overrides file continues and completes, then CICS terminates abnormally with message DFHSI1612.

User response
Correct the attribute value or remove the override rule in the resource overrides file and restart CICS.

Module:
DFHAMIO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. resourcetype
5. attributevalue
6. attributename
7. line
Override rule for a resourcetype resource specifies an invalid CVDA 'cvdavalue' for the attribute attributename at line line.

Explanation
In the resource overrides file at line line, an override rule for a resourcetype resource specifies an invalid CICS-value data area (CVDA) of cvdavalue for attribute attributename.

System action
Processing of the resource overrides file continues and completes, then CICS terminates abnormally with message DFHSI1612.

User response
Correct the CVDA value or remove the override rule in the resource overrides file and restart CICS.

Module:
DFHAMIO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. resourcetype
5. cvdavalue
6. attributename
7. line

Override rule is for an unsupported resource type resourcetype.

Explanation
In the resource overrides file, an override rule is specified for an unsupported resource type resourcetype.

System action
Processing of the resource overrides file continues and completes, then CICS terminates abnormally with message DFHSI1612.

User response
Correct the resource type or remove the override rule definition in the resource overrides file and restart CICS.

Module:
DFHAMIO

XMEOUT parameters/Message inserts
1. date
2. time
Explanation
In the resource overrides file at line line, an override rule for the specified resource and attribute specifies an unsupported symbol symbolname.

System action
Processing of the resource overrides file continues and completes, then CICS terminates abnormally with message DFHSSI1612.

User response
Correct the symbol or remove the override rule in the resource overrides file and restart CICS.

Module:
DFHAMIO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. resourcetype
5. symbolname
6. attributename
7. line

Destination
CSMT

DFHRV1012 E  

Explanation
In the resource overrides file at line line, an override rule for the specified resource and attribute specifies an invalid substring of substringspec for symbol symbolname for attribute attributename at line line. Possible reasons include:

Substring format is invalid.
The substring format must be [xxx:yyy] or [xxx::yyy], where xxx and yyy are integer values in the range 0 through 254, and yyy is greater than or equal to xxx.

Substring index too large.
One or both of the specified substring index values are outside the valid range for the the symbol.

Destination
CSMT

DFHRV1011 E  

Explanation
In the resource overrides file at line line, an override rule for the specified resource and attribute specifies an unsupported symbol symbolname.

System action
Processing of the resource overrides file continues and completes, then CICS terminates abnormally with message DFHSSI1612.

User response
Correct the symbol or remove the override rule in the resource overrides file and restart CICS.

Module:
DFHAMIO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. resourcetype
5. symbolname
6. attributename
7. line

Destination
CSMT

DFHRV1010 E  

Explanation
In the resource overrides file at line line, an override rule for the specified resource specifies an invalid value of 'attributevalue' for attribute attributename at line line. Symbol specification is invalid.

System action
Processing of the resource overrides file continues and completes, then CICS terminates abnormally with message DFHSSI1612.

User response
Correct the attribute value or remove the override rule in the resource overrides file and restart CICS.

Module:
DFHAMIO
System action

Processing of the resource overrides file continues and completes, then CICS terminates abnormally with message DFHSI1612.

User response

Correct the symbol substring or remove the override rule in the resource overrides file and restart CICS.

Module:
DFHAMIO

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. resourcetype
5. substringspec
6. symbolname
7. attributename
8. line
9. Value chosen from the following options:
   1=Substring format is invalid.,
   2=Substring index too large.

Destination

CSMT

DFHRV1013 E date time applid Override rule is not permitted for resourcetype resource attribute attributename at line line.

Explanation

In the resource overrides file at line line, an override rule is specified for the attribute attributename. It is not permitted to override this attribute.

System action

Processing of the resource overrides file continues and completes, then CICS terminates abnormally with message DFHSI1612.

User response

Correct or remove the override rule in the resource overrides file and restart CICS.

Module:
DFHAMIO

XMEOUT parameters/Message inserts

1. date
2. time
3. **applid**
4. **resourcetype**
5. Value chosen from the following options:
   1. integer
   2. CVDA
   3. character
6. **attributename**
7. **line**

**Destination**

CSMT

**DFHRV1015 E**  
*date* *time* *applid* Override rule for a **resourcetype** resource specifies an obsolete attribute **attributename** at line **line**.

**Explanation**

In the resource overrides file at line **line**, an override rule for a resource type **resourcetype** specifies an attribute **attributename** that is no longer supported.

**System action**

Processing of the resource overrides file continues and completes, then CICS terminates abnormally with message DFHSI1612.

**User response**

Correct the attribute name or remove the override rule in the resource overrides file and restart CICS.

**Module:**

DFHAMIO

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **resourcetype**
5. **attributename**
6. **line**

**Destination**

CSMT

**DFHRV1016 W**  
*applid* Resource overrides file with updated content was loaded during CICS restart. The resource overrides file was last modified at *time* on *date*.

**Explanation**

The resource overrides file that was loaded during a CICS warm or emergency start has changed since the previous start of the CICS region. The resource overrides file was changed at *time* on *date*. Resources that are recovered from the global catalog retain their existing attributes including any values overridden when the resource was originally installed. Overrides from the updated resource overrides file will be applied to:

- resources that are not recovered from the global catalog (such as resources that are installed through a CICS bundle)
- resources that are newly installed during the lifetime of the CICS region.

Therefore, resources that are installed through a CICS bundle might not be in the same state as before the CICS restart.

**System action**

CICS initialisation continues.

**User response**

Check the MSGUSR log for DFHCA4968 messages that show any resources that were overridden by the current resource overrides file, and check that the resulting values are as intended.

**Module:**

DFHAMIO

**XMEOUT parameters/Message inserts**

1. **applid**
2. **time**
3. **date**

**Destination**

Console

**DFHRV1017 E**  
*applid* Resource overrides file is empty.

**Explanation**

The resource overrides file is empty. See the earlier DFHPA2002 message for the location of the resource overrides file.
System action
CICS terminates abnormally.

User response
Add valid content to the resource overrides file, or remove the 'com.ibm.cics.resourceoverrides.file' feature toggle, and restart CICS.

Module:

DFHRXnnnnn messages

<table>
<thead>
<tr>
<th>Message Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFHRX0001</td>
<td>applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.</td>
</tr>
</tbody>
</table>

Explanation
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:

DFHRXDM

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHRX0002 applid A severe error (code X'code') has occurred in module modname.

Explanation
An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System action
An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.
CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHRXDM

**XMEOUT parameters/Message inserts**

1. applid
2. X'code'
3. modname

**Destination**

Console

DFHRX0101I applid Rx domain initialization has ended.

**Explanation**

RX domain initialization has completed successfully.

**System action**

Initialization continues.

**User response**

None. You can suppress this message with the system initialization parameter, MSG_LVL=0.

**Module:** DFHRXDM

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

DFHRX0102 applid Errors were encountered during initialization of the RX domain. Domain initialization has ended.

**Explanation**

Errors have been detected by the Resource Recovery Services (RX) domain during CICS initialization. Accompanying messages describe the nature of the errors.

**System action**

A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.
User response

If your CICS system will not use any services that depend on Resource Recovery Services, no action is necessary. Otherwise, you will need to shut CICS down, and restart it once the problems identified by the earlier messages have been corrected.

Module:
DFHRXDM

XMEOUT parameters/Message inserts

1. applid

Destination
Console

DFHRX0103 applid An unexpected return code X'rc' was received from RRMS service xxxxxxxx.

Explanation

An unexpected return code was received when CICS issued a request to Recoverable Resource Management Services (RRMS). The name of the RRMS service included in the message indicates the component of RRMS as follows:

CRGxxxx Registration Services
CTXxxxx Context Services
ATRxxxx Resource Recovery Services (RRS)

This message may indicate a problem with RRMS.

System action

CICS continues, but - depending on the service and the return code - CICS services that depend on RRMS may not be available. Further messages will provide more information.

User response

Record the name of the RRMS service and the return code. RRMS return codes are documented in z/OS MVS Programming: Resource Recovery.

If you are unable to determine the cause of the problem from this information, you may need assistance from IBM. See Part 4 of the Troubleshooting and support for guidance on how to proceed.

Module:
DFHRXDM, DFHRXUW

XMEOUT parameters/Message inserts

1. applid
2. X'rc'
3. xxxxxxxx

Destination
Console

DFHRX0104 applid The Resource Recovery Services (RRS) exit manager aaaaaaaaaaaaaaaa is now available.

Explanation

This message is issued when CICS discovers that a Resource Recovery Services (RRS) exit manager is available. The insert aaaaaaaaaaaaaaaa is the name of the exit manager.

System action

CICS begins restart processing with RRS.

User response

None. You can suppress this message with the system initialization parameter, MSGLEVEL=0.

Module:
DFHRXDM

XMEOUT parameters/Message inserts

1. applid
2. aaaaaaaaaaaaaaaa

Destination
Console

DFHRX0105 applid The Resource Recovery Services (RRS) exit manager aaaaaaaaaaaaaaaa is now unavailable.

Explanation

This message is issued when CICS discovers that a Resource Recovery Services (RRS) exit manager is unavailable. The insert aaaaaaaaaaaaaaaa is the name of the exit manager. Transactions which use RRS
to coordinate their updates cannot be successfully
executed.

**System action**
CICS continues. Message DFHRX0104 will be issued
when the exit manager becomes available once more.

**User response**
None. You can suppress this message with the system
initialization parameter, MSGLEVEL=0.

**Module:**
DFHRXDM

**XMEOUT parameters/Message inserts**
1. applid
2. aaaaaaaaaaaaaaaaa

**Destination**
Console

**Explanation**
This message is issued when CICS begins restart
processing with Resource Recovery Services (RRS).

**System action**
CICS continues.

**User response**
None. You can suppress this message with the system
initialization parameter, MSGLEVEL=0.

**Module:**
DFHRXDM

**XMEOUT parameters/Message inserts**
1. applid

**Destination**
Console

**Explanation**
This message is issued when CICS begins restart
processing with Resource Recovery Services (RRS).

**System action**
CICS continues.

**User response**
None. You can suppress this message with the system
initialization parameter, MSGLEVEL=0.

**Module:**
DFHRXDM

**XMEOUT parameters/Message inserts**
1. applid

**Destination**
Console

**Explanation**
During the exchange of log names with Resource
Recovery Services (RRS), which occurred when RRS
restarted, this system's memory of RRS's log name did
not match the log name retrieved from RRS. RRS may
have performed a cold start.

**System action**
CICS execution continues. Units of work that are
awaiting resynchronization with RRS will not be
resolved automatically.

**User response**
The associated units of work may need to be resolved
by using CEMT SET UOW. The message should not recur.

**Module:**
DFHRXDM
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. logname
5. logname

Destination
CSMT and Console

DFHRX0109  date  time  applid  Invalid pass
token received on connection  sysid
session  termid.

Explanation
A batch program using the extended External CICS Interface (EXCI) has issued a DPL request which does not include the SYNCONRETURN option. However, the value of the pass token received from the batch region does not match that which was lodged with Recoverable Resource Management Services (RRMS) in the batch region.

System action
DFHRXUW provides console message DFHRX0002, and possibly a system dump (depending on the options in the dump table). The transactional DPL request will not be processed, and the batch job which issued the request may be suspended until it times out.

User response
Investigate why the pass token was incorrect. It is possible that an unauthorized user has attempted to guess the value of the pass token in order to influence the outcome of a Unit of Work that has expressed interest in an RRMS Unit of Recovery.

If you are satisfied that there has been no attempt to interfere with the pass token, you may need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHRXUW

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. sysid

Destination
Console

DFHRX0111  applid  Resource Recovery Services (RRS) has lost logged data.
Resynchronization information may be missing.
**Explanation**

While attempting to recover resynchronization information from its logs, Resource Recovery Services (RRS) has discovered that some data is missing. This is due to a problem with the RRS log streams.

**System action**

CICS restart processing with RRS continues, but RRS may not be able to provide a decision for all indoubt units or work. In these cases, updates to local resources will be committed or backed out according to the ACTION attribute in the corresponding transaction definition.

The Recovery Manager domain will issue one of the following messages for each unit of work affected, indicating the outcome:

DFHRM0112

**DFHRZnnnnn messages**

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<tbody>
<tr>
<td>DFHRZ0001</td>
<td>applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.</td>
<td>Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116, which contains the symptom string for this problem, is produced.</td>
</tr>
</tbody>
</table>

**Explanation**

An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code.

Alternatively:
- Unexpected data has been input,
- Storage has been overwritten, or
- There has been a program check within a user program.

The code aaa is, if applicable, a 3-digit hexadecimal MVS system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The 4-digit code bbbb, which follows aaa, is a user abend code produced either by CICS or by another product on the user’s system.

If X'offset' contains the value X'FFFF', then module modname was in control at the time of the abend, but the program status word (PSW) was not addressing this module.

**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.
If the user abend code is from another product (for example, IMS), refer to the appropriate messages and codes manual to determine the cause of the abend.

The entries in the appropriate manuals will give the user guidance regarding the nature of the error, and may also give some guidance concerning the appropriate user response.

**Note:**

The program check may have occurred in a user program. If this is the case, the program check is usually followed by an ASRA or an ASRB transaction abend and a transaction dump.

If you want to suppress system dumps that precede ASRA and ASRB abends, you must specify this on an entry in the dump table, using either CEMT or an EXEC CICS command. Further guidance on suppressing system dumps can be found in the Configuring.

You may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHRZxx

**XMEOUT parameters/Message inserts**

1. applid
2. aaa/bbbb
3. X'offset'
4. modname

**Destination**

Console

**DFHRZ0002**

`APPLID` A severe error (code X'code') has occurred in module `module`.

**Explanation**

The RZ domain has received an unexpected error response from some other part of CICS. The operation requested by recovery manager is described by code X'code'.

For further information about CICS exception trace entries, refer to the Troubleshooting and support.

**System action**

A system dump is taken and the system attempts to continue operation unless specifically inhibited by dump table entries.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Investigate the cause of the problem as follows:

1. Determine if the problem can be explained by any previous messages issued from some other CICS component.
2. Examine the symptom string.
3. Examine the dump.

If you cannot resolve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHRZRT1, DFHRZRT2, DFHRZDM, DFHRZRM, DFHRZRG2

**XMEOUT parameters/Message inserts**

1. `APPLID`
2. `X'code'`
3. `module`

**Destination**

Console

**DFHRZ0201**

date time applid The call to invoke the Distributed Routing Program, `program`, has failed. The program was not defined.

**Explanation**

An error occurred when attempting to link to the Distributed Routing Program, identified by the DSRTPGM SIT parameter.

**System action**

A ARZU dump may be produced depending on type of failure.

**User response**

Ensure that the Distributed Routing Program is available to the system. It must be defined to Program Manager and it must be present in the DFHRPL library concatenation. Alternatively, name a new Distributed Routing Program using `SET SYSTEM DSRTPROGRAM` or from CEMT.

**Module:**

DFHRZRT2
XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. program

Destination
CSSH

DFHRZ0202  date time applid The Distributed Routing Program, program, has returned a bad response.

Explanation
The Distributed Routing Program, identified by the DSRTPGM SIT parameter, has returned a bad response. The request will not be serviced.

System action
No dumps are taken.

User response
None

Module:
DFHRZRT2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. program

Destination
CSSH

DFHRZ0204  date time applid The call to invoke the Distributed Routing Program, program, has failed due to an invalid AMODE.

Explanation
An error occurred when attempting to link to the Distributed Routing Program, identified by the DSRTPGM SIT parameter. The program has an invalid AMODE specified.

System action
No dumps are taken.

User response
Ensure that the Distributed Routing Program definition is correct.

Module:
DFHRZRT2

XMEOUT parameters/Message inserts
1. date
The call to invoke the Distributed Routing Program, program, has failed. The program was not loadable.

Explanation
An error occurred when attempting to link to the Distributed Routing Program, identified by the DSRTPGM SIT parameter.

System action
An ARZU dump may be produced depending on type of failure.

User response
Ensure that the Distributed Routing Program is available to the system. It must be defined to Program Manager and it must be present in the DFHRPL library concatenation. Alternatively, name a new Distributed Routing Program using SET SYSTEM DSRTPROGRAM or from CEMT.

Module:
DFHRZRT2

XMEOUT parameters/Message inserts
1. date
time
applid
program

Module:
DFHRZRT2

Applid An abend (code code) has occurred at offset X'offset' in module module.

Explanation
An unexpected program check or abend occurred with abend code aaa/bbbb.

The program status word (PSW) at the time of the program check or abend indicated that CICS was executing at offset X'offset' in module modname. This may have been caused by corruption of CICS code or control blocks.

System action
A system dump is taken and the system attempts to continue operation unless otherwise directed by entries in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Investigate the cause of the program check or abend using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

If you cannot resolve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHSHRT1, DFHSHRT2, DFHSHDM, DFHSHPR, DFHSHRQ, DFHSHSY

Applid A severe error (code code) has occurred in module module.

Explanation
The SH domain has received an unexpected error response from some other part of CICS. The operation requested by recovery manager is described by code X'code'.

For further information about CICS exception trace entries, refer to the Troubleshooting and support.
**System action**

A system dump is taken and the system attempts to continue operation unless specifically inhibited by dump table entries.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Investigate the cause of the problem as follows:

1. Determine if the problem can be explained by any previous messages issued from some other CICS component.
2. Examine the symptom string.
3. Examine the dump.

If you cannot resolve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHSHRT1, DFHSHRT2, DFHSHDM, DFHSPR, DFHSHSY, DFHSHRE

**XMEOUT parameters/Message inserts**

1. APPLID
2. X'code'
3. module

**Destination**

Console

DFHSH0101 date time applid The call to invoke the Distributed Routing Program, program, has failed. Refer to message DFHSH0105.

**Explanation**

An error occurred when attempting to link to the Distributed Routing Program, identified by the DSRTPGM SIT parameter.

**System action**

A ASHU dump may be produced depending on type of failure.

**User response**

Ensure that the Distributed Routing Program is available to the system. It must be defined to Program Manager and it must be present in the DFHRPL library concatenation. Alternatively, name a new Distributed Routing Program using SET SYSTEM DSRTPROGRAM or from CEMT.

**Module:**

DFHSHRT2

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. program

**Destination**

CSSH

DFHSH0102 date time applid The Distributed Routing Program, program, has returned a bad response. See following message DFHSH0105.

**Explanation**

The Distributed Routing Program, identified by the DSRTPGM SIT parameter, has returned a bad response. The request may not be serviced immediately.

**System action**

No dumps are taken.

**User response**

None

**Module:**

DFHSHRE

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. program

**Destination**

CSSH

DFHSH0103 date time applid The call to invoke the Distributed Routing Program, program, has failed. The Distributed Routing Program has abnormally terminated with abend Code abcode.
**Explanation**
The Distributed Routing Program has abnormally terminated with abend code *abcode*.

**System action**
1. Transaction Routing - normal transaction abend processing continues.
2. Dynamic Distributed Program Link - an abended condition is returned to the calling program.

**User response**
See the description of abend code *abcode* for further guidance.

If the code is not a CICS transaction abend code, it is a user abend code. Request an explanation from the programmer responsible for this area.

**Module:**
DFHSHRT2

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *program*
5. *abcode*

**Destination**
CSSH

**DFHSH0104**

```
date time applid
The call to invoke the Distributed Routing Program, program, has failed due to an invalid AMODE.
```

**Explanation**
An error occurred when attempting to link to the Distributed Routing Program, identified by the DSRTPGM SIT parameter. The program has an invalid AMODE specified.

**System action**
No dumps are taken.

**User response**
Ensure that the Distributed Routing Program definition is correct.

**Module:**
DFHSHRT2

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *program*

**Destination**
CSSH

**DFHSH0105**

```
date time applid
Request (Id: requestid, Processtype: processtype, Processname: processname, Activityname: activityname, Transaction: tranid) cannot be serviced. It will be retried every minute and will be purged after 24 hours if not serviced then.
```

**Explanation**
A request cannot be serviced immediately. This is either because the Distributed Routing Program, identified by the DSRTPGM SIT parameter, has returned a response which indicates that it is unable to route a request, or a temporary error occurred during an attempt to service the request locally.

The request is identified by the request id *id* (the key of the request on the Local Request Queue data set (DFHLRQ)), the process type *processtype*, the process name *processname*, the activity name *activityname*, and the transaction id *tranid*.

**System action**
No dumps are taken. The request is marked unserviceable, and is then retried every minute until it is either serviced, or 24 hours have elapsed in which case the request is purged and message DFHSH0107 issued.

Message DFHSH0106 is issued once every hour while the request cannot be serviced. If the request is serviced successfully, message DFHSH0108 is issued.

**User response**
Investigate why the request cannot be serviced. This may be caused by one of the following:
- The local request queue is unavailable.
- The request refers to a resource (activity or process) which is unavailable.
• The system to which the request is to be routed is down, or the link is down.
• The Distributed Routing Program is failing or is returning an invalid target system.

Module:
DFHSHRM

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. requestid
5. processtype
6. processname
7. activityname
8. tranid

Destination
CSSH and Console

DFHSH0106  

(date time applid) Request
still cannot be serviced. It will be retried every minute and will be purged after hours hours if not serviced successfully.

Explanation
Following message DFHSH0105, this message is issued every hour while a request cannot be successfully serviced.

The request is identified by the request id requestid (the key of the request on the Local Request Queue data set (DFHLRQ)), the process type processtype, the process name processname, the activity name activityname, and the transaction id tranid.

System action
No dumps are taken. The request continues to be retried every minute until it is either serviced successfully, or 24 hours have elapsed since message DFHSH0105 was issued, in which case the request is purged and message DFHSH0107 is issued.

User response
See message DFHSH0105.

Module:
DFHSHRM

XMEOUT parameters/Message inserts

1. date
2. time
3. applid

Destination
CSSH and Console

DFHSH0107  

(date time applid) Request
has remained unserviceable for 24 hours and has now been purged.

Explanation
A request has been unserviceable for 24 hours and has now been purged. This message will have been preceded by message DFHSH0105 and several occurrences of message DFHSH0106.

The request is identified by the request id requestid (the key of the request on the Local Request Queue data set (DFHLRQ)), the process type processtype, the process name processname, the activity name activityname, and the transaction id tranid.

System action
No dumps are taken. The request is deleted.

User response
See message DFHSH0105.

Module:
DFHSHRQ

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
Previously unserviceable request (Id: requestid, Processtype: processtype, Processname: processname, Activityname: activityname, Transaction: tranid) has now been successfully serviced.

Explanation
A request which was previously unserviceable has now been successfully serviced. This message will have been preceded by message DFHSH0105 and possibly one or more occurrences of message DFHSH0106.

The request is identified by the request id requestid (the key of the request on the Local Request Queue data set (DFHLRQ)), the process type processtype, the process name processname, the activity name activityname, and the transaction id tranid.

System action
No dumps are taken.

User response
None.

Module:
DFHSHRM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. requestid
5. processtype
6. processname
7. activityname
8. tranid

Destination
CSSH and Console

DFHSH0109 date time applid An error has occurred when attempting to access the Local Request Queue data set (DFHLRQ). {The file could not be found. | The file was closed. | The file was disabled. | There was insufficient space. | An I/O error occurred. | The data set is being copied.} The Local Request Queue is now unavailable.

Explanation
One of the following errors was detected when attempting to access the Local Request Queue data set (DFHLRQ):

• The file could not be found.
• The file was closed.
• The file was disabled.
• There was insufficient space.
• An I/O error occurred.
• The dataset is being copied.

System action
The Local Request Queue is made unavailable. CICS then attempts to access the data set every minute. If successful, message DFHSH0110 is issued to indicate the data set is now available.

User response
Investigate the error which caused the Local Request Queue to be made unavailable.

Module:
DFHSHRE, DFHSHRQ, DFHSHSY

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=The file could not be found.,
   2=The file was closed.,
   3=The file was disabled.,
   4=There was insufficient space.,
   5=An I/O error occurred.,
The data set is being copied.

**Destination**
CSSH and Console

**DFHSH0110**
`date time applid` The Local Request Queue data set (DFHLRQ) is now available.

**Explanation**
The Local Request Queue data set (DFHLRQ), which was previously unavailable, is now available. See message DFHSH0109.

**System action**
None.

**User response**
None.

**Module:**
DFHSHSY

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`

**Destination**
CSSH and Console

**DFHSH0111**
`date time applid tranid trannum userid` An error has occurred in

**DFHSInnnn messages**

**DFHSI0914I**
`applid` Unable to initiate transaction CSFU. Files will not be opened at initialization.

**Explanation**
Module DFHSIJ1 could not start transaction CSFU. Execution of the DFHIC TYPE=INITIATE macro failed. Either CSFU is not an installed transaction definition, or DFHFCU is not an installed program definition.

**System action**
CICS does not open any files at initialization time. If a file is defined to be opened at initialization time, CICS will open it on first reference.

**Scheduler Services during the prepare phase of syncpoint.**

**Explanation**
Scheduler Services domain encountered an error during the prepare phase of syncpoint.

**System action**
Scheduler Services returns a NO vote to the Recovery Manager. The transaction will be abended with an ASP7 abend.

**User response**
Check for other Scheduler Services messages that may indicate the cause of the error. For example, message DFHSH0109 indicates problems with the Local Request Queue.

**Module:**
DFHSHRM

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `trannum`
6. `userid`

**Destination**
CSSH and Console

**DFHSInnnn messages**

**DFHSI1914I**
`applid` Unable to initiate transaction CSFU. Files will not be opened at initialization.

**Explanation**
Module DFHSIJ1 could not start transaction CSFU. Execution of the DFHIC TYPE=INITIATE macro failed. Either CSFU is not an installed transaction definition, or DFHFCU is not an installed program definition.

**System action**
CICS does not open any files at initialization time. If a file is defined to be opened at initialization time, CICS will open it on first reference.

**User response**
Make transaction CSFU and program DFHFCU available for execution. Group DFHOPCLS in DFHLIST contains all of the definitions needed for file opening and closing (dynamically as well as at initialization time).

**Module:**
DFHSIJ1

**XMEOUT parameters/Message inserts**
1. `applid`

**Destination**
Console
**Explanation**

During SHOWCAT processing for the intrapartition data set, *dsetname*, VSAM detected an error and issued return code *xxxx*.

**System action**

CICS writes a dump and terminates abnormally. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Check the return code in the z/OS DFSMStvs Administration Guide, and restart CICS.

**Module:** DFHSID1

**XMEOUT parameters/Message inserts**

1. *applid*
2. *dsetname*
3. *xxxx*

**Destination**

Console

**DFHSI1250**

*applid* VSAM error processing SHOWCAT for intrapartition data set *dsetname* R15=*xxxx*.

---

**Explanation**

As part of CICS initialization, an attempt is made to acquire an area of storage from the fetch-protected subpool. The attempt has been unsuccessful.

**System action**

CICS terminates abnormally with a dump.

**User response**

This error indicates a severe problem with your operating system. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHSIB1

**XMEOUT parameters/Message inserts**

1. *applid*

**Destination**

Console

**DFHSI1499**

*applid* Unable to acquire special storage.

---

**Explanation**

This is an informatory message indicating that *element* startup is in progress.

*Element* is part of CICS Transaction Server Version *version*.

Element = CICS Version = 1.3.0

**System action**

System initialization continues.

**User response**

None. This message cannot be suppressed.

**Module:** DFHAPSIP

---

**XMEOUT parameters/Message inserts**

1. *applid*
2. *element*
3. *version*

**Destination**

Console

**DFHSI1500**

*applid element* startup is in progress for CICS Transaction Server Version *version*.

---

**Explanation**

This is an informatory message indicating that the CICS nucleus is being loaded.

**System action**

System initialization continues.

**User response**

None.

**Module:** DFHSIB1

---

**Module:** DFHSIB1

Chapter 2. CICS messages 1829
**DFHSI1502I** applid CICS startup is {Cold | Warm | Emergency | Initial}.

**Explanation**
During CICS initialization, the type of restart is determined and the operator notified by this message.

**System action**
System initialization continues.

**User response**
None.

**Module:** DFHSIC1, DFHSII1

---

**DFHSI1503I** applid Terminal data sets are being opened.

**Explanation**
This is an informative message indicating that the terminal data sets are being opened.

**System action**
System initialization continues.

**User response**
None.

**Module:** DFHAMPIL

---

**DFHSI1506** applid Unable to OPEN the global catalog.

**Explanation**
During initialization, CICS issued an OPEN for the global catalog DFHGCD data set, but the OPEN failed.

**System action**
CICS terminates abnormally with a dump.

**User response**
Examine the preceding VSAM message for the reason for the OPEN failure. Note that if you specify START=AUTO, or if you define your system with journal support, you must supply a global catalog data set in the JCL.

**Module:** DFHSIC1

---

**DFHSI1511I** applid Installing group list grplist.

**Explanation**
Group list grplist is being installed.

**System action**
System initialization continues.

**User response**
None.

**Module:** DFHAMPIL
XMEOUT parameters/Message inserts

1. applid
2. grplist

Destination
Console

DFHSI1517 applid Control is being given to CICS.

Explanation
This is an informatory message indicating that control is being given to CICS.
applid is the VTAM APPLID of the CICS system issuing the message.

System action
System initialization continues.

User response
None.

Module:
DFHSIJ1

XMEOUT parameters/Message inserts

1. applid

Destination
Console

DFHSI1519I applid The interregion communication session was successfully started in XCF group xcfgroup

Explanation
This is an informatory message indicating that the interregion communication (IRC) session has been successfully started and is a member of the given xcf group.

System action
System initialization continues.

User response
None.

Module:
DFHSIJ1

XMEOUT parameters/Message inserts

1. applid

Destination
Console

DFHSI1521 applid CICS unable to continue for reasons given above.

Explanation
CICS initialization cannot continue because of one or more serious errors. One or more preceding messages describe these errors.

System action
CICS terminates with a dump.

User response
Refer to any preceding messages for further guidance on what the problems may be and how to solve them. Correct the errors and restart CICS.

Module:
DFHSII1, DFHSIJ1

XMEOUT parameters/Message inserts

1. applid

Destination
Console

DFHSI1522D applid Restart errors reported above. Reply GO or CANCEL.

Explanation
One or more error messages precede this message. CICS can continue initialization but only in degraded mode.

System action
Depending on your response to this message, CICS terminates or continues initialization in degraded mode.
User response
Consider the reported errors and their effects, and decide if you want CICS to continue in degraded mode. If you do, reply 'GO'. If you do not, then reply 'CANCEL'. Correct the errors and restart CICS.

Module: DFHSII1

XMEOUT parameters/Message inserts
1. applid
2. GO
3. CANCEL

Destination
Console

 DFHSI1530 applid Purge of non-executable ATI request inoperative.

Explanation
CICS is unable to initiate the CRSQ task to delete automatic transaction initiation (ATI) requests from the system when those requests are not honored for longer than the ATI purge delay interval.

System action
System initialization continues.

User response
If ATI purge is required, ensure that the CRSQ task is available next time CICS is initialized.

Module: DFHSIJ1

XMEOUT parameters/Message inserts
1. applid

Destination
Console

 DFHSI1533 applid modname loaded at X'address'.

Explanation
This is an informatory message indicating that CICS has loaded module modname at address address.

System action
System initialization continues.

User response
None.

Module: DFHME0116

Explanation
CICS is unable to initiate the CRSQ task to delete automatic transaction initiation (ATI) requests from the system when those requests are not honored for longer than the ATI purge delay interval.

System action
After issuing this message, CICS system initialization abnormally terminates with a system dump. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Use the VTAM return code and error code to determine the cause of failure in the VTAM macro macro. Correct the error using the z/OS Communications Server: SNA Programming manual, and restart CICS.

Module: DFHZRPL

XMEOUT parameters/Message inserts
1. applid
2. macro
3. retcode
4. errcode

Destination
Console

 DFHSI1533 applid modname loaded at X'address'.

Explanation
This is an informatory message indicating that CICS has loaded module modname at address address.

System action
System initialization continues.

User response
None.

Module:
XMEOUT parameters/Message inserts
1. applid
2. modname
3. address

Destination
Console

DFHSI1534 applid Unable to link to program
DFHAMP - GRPLIST parameter ignored.

Explanation
The DFHAMP program cannot be found on the load
library. The GRPLIST parameter cannot be processed
and so is ignored.

System action
System initialization continues.

User response
Ensure that the DFHAMP program is on the load
library.

Module:
DFHSII1

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHSI1535 applid Severe error detected in
DFHAMP - CICS is terminating.

Explanation
A severe error was detected while the GRPLIST
parameter was being processed.

System action
A dump is provided and CICS is terminated.

User response
This is most probably a logic error in DFHAMP. If
you need further assistance from IBM to resolve this
problem, see Working with IBM to solve your problem
for guidance on how to proceed.

Module:
DFHSII1

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHSI1536D applid GRPLIST grplist does not
exist. Enter alternative name, GO
or CANCEL.

Explanation
Group list grplist cannot be found on the CSD file.

System action
CICS waits for a reply. If you reply CANCEL, CICS
terminates. If you reply GO, CICS ignores the specified
GRPLIST and tries to install the next one. If you specify
a valid list name, CICS initialization continues and the
list is installed.

User response
Enter 'GO', 'CANCEL' or a valid GRPLIST.

Module:
DFHAMPIL

XMEOUT parameters/Message inserts
1. applid
2. grplist
3. GO
4. CANCEL

Destination
Console

DFHSI1537D applid GRPLIST grplist does not
exist. Enter alternative name, GO
or CANCEL.

Explanation
Group list grplist cannot be found on the CSD file.
**System action**
CICS waits for a reply. If you reply CANCEL, CICS terminates. If you specify a valid list name, CICS initialization continues and the list is installed.

**User response**
Enter 'CANCEL' or a valid GRPLIST.

**Module:** DFHAMPIL

**XMEOUT parameters/Message inserts**
1. applid
2. grplist
3. CANCEL

**Destination**
Console

**Explanation**
Errors have been detected in DFHAMP while installing GRPLIST during CICS initialization. Accompanying messages describe the nature of the errors.

**System action**
CICS waits for a reply. If you reply CANCEL, CICS terminates. If you reply GO, CICS initialization continues.

**User response**
See the associated messages for further information about these errors. Reply with GO or CANCEL.

**Module:** DFHSII1

**XMEOUT parameters/Message inserts**
1. applid

**Destination**
Console

**Explanation**
The CESC transaction failed to start during initialization of an alternate XRF region. Although CICS continues to initialize, terminals left signed on after the takeover are not timed out.

**System action**
A dump is produced and CICS continues initialization. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Use the dump to investigate why the transaction could not be started. It may be that the system was short on storage or that the transaction has been disabled.

**Module:** DFHSIJ1

**XMEOUT parameters/Message inserts**
1. Applid

**Destination**
Console

**Explanation**
This CICS alternate system is attempting to take over from its associated active CICS system but the recovery manager component has indicated that an initial start is required because of a system log failure.

**System action**
CICS is abnormally terminated and a dump is provided. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Look for console messages issued by the active CICS system which indicate the nature of the log failure. If no such messages have been issued, an internal CICS error may have occurred. In this case you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHSII1

**Applid Error attaching the CESC (Terminal Timeout) transaction.**
XMEOUT parameters/Message inserts

1. applid

Destination
Console

DFHSI1543 applid Time-Of-Day clock inoperative.

Explanation
System initialization was unable to establish the time-of-day clock values for CICS.

System action
CICS is abnormally terminated and a dump is provided.

User response
The time-of-day clock is external to CICS execution and may have been disabled. Enable the time-of-day clock and restart CICS.

Module:
DFHSII1

XMEOUT parameters/Message inserts

1. applid

Destination
Console

DFHSI1547 applid Notification of a default qualified LUNAME to the recovery manager domain has failed.

Explanation
CICS is running with VTAM=NO, or an attempt to open the VTAM ACB has failed.

If VTAM=NO is specified, CICS uses the UOWNETQL system initialization parameter to form a default qualified LUNAME to pass to the recovery manager. If the VTAM ACB failed to open, CICS uses UOWNETQL to form the default qualified LUNAME. If UOWNETQL has not been specified, CICS sets UOWNETQL to the invalid value ‘9UNKNOWN’ to highlight the problem.

An attempt was then made to transfer the default qualified LUNAME of the system to the recovery manager domain for use in constructing unit of work (UOW) identifiers. The attempt failed, indicating a serious error.

System action
CICS continues. Unit of work identifiers constructed by the recovery manager domain do not contain a fully qualified LUNAME.

User response
Keep the exception trace data produced by the recovery manager domain. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHZSLS
**Destination**

Console

DFHSI1549  **applid** Logic error when building TCT module list.

**Explanation**

The format of the modules DFHZCA, ZCB, ZCP, ZCW, ZCX, ZCY, ZCZ and ZCXR was not as expected.

**System action**

CICS is abnormally terminated and a dump is provided.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Possible reasons for this message are:

1. The modules listed were generated without VTAM facilities, but the system initialization table (SIT) specifies VTAM=YES.
2. The entry points of the listed modules are incorrect.
3. The module list in each of the listed modules is incorrect.

If reason 1, correct the error. Otherwise, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHSIF1

**XMEOUT parameters/Message inserts**

1. **applid**
2. **domain**
3. X'response'
4. X'reason'

**Destination**

Console

DFHSI1550  **applid** The CICS region userid **userid** is not authorized to use the PLTPIUSR parameter **userid**. Initialization cannot continue, so CICS is terminated.

**Explanation**

The userid specified in the job control statements for the CICS region is not authorized to use the userid specified in the PLTPIUSR system initialization parameter.

**System action**

CICS initialization terminates.

**User response**

Ensure that the correct userid is specified for PLT processing.

Ensure that the userid for the CICS region has the necessary authorization. This may require the assistance of a security administrator.

When the necessary corrections have been made rerun the CICS job.

**Module:**

DFHSII1
XMEOUT parameters/Message inserts

1. applid
2. userid
3. userid

Destination

Console

DFHSI1552

**applid Userid userid** specified for the PLTPIUSR parameter has not been defined correctly to the external security manager (ESM). SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas').

Explanation

The userid specified for the PLTPIUSR initialization parameter has been defined incorrectly.

System action

CICS terminates abnormally with a dump.

User response

Ensure that the desired userid is specified for PLT processing and that external security manager (ESM) definitions have been specified correctly.

The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the z/OS MVS Programming: Authorized Assembler Services Guide and in z/OS Security Server RACROUTE Macro Reference (SC28-1366). See these manuals for an explanation of the codes.

There may be further messages produced by CICS or the external security manager (ESM) which provide more information.

Correct the errors and restart CICS.

Module: DFHSII1

XMEOUT parameters/Message inserts

1. applid
2. userid
3. X'safresp'
4. X'safreas'
5. X'esmresp'
6. X'esmreas'

Destination

Console

DFHSI1553

**applid** The unit of work network qualifier specified via the UOWNETQL parameter contains invalid characters or begins with a number. A dummy qualifier is substituted.

Explanation

The UOWNETQL system initialization parameter has been specified incorrectly. The UOWNETQL parameter must consist of uppercase letters (A through Z), or numbers in the range 0 through 9. The first character must be a letter.

CICS is running with VTAM=NO, or an attempt to open the VTAM ACB has failed.

When VTAM=NO is specified, CICS uses UOWNETQL to form a default qualified LUNAME to pass to the recovery manager.

If the VTAM ACB fails to open, CICS uses UOWNETQL to form the default qualified LUNAME.

System action

CICS continues but with the UOWNETQL deliberately set to the invalid value '9UNKNOWN' to highlite the problem.

User response

Correct the UOWNETQL system initialization parameter.

Module: DFHSIF1

XMEOUT parameters/Message inserts

1. applid

Destination

Console

DFHSI1556

**applid SKRP {A | F} x disabled due to extension of PGRET value.**
Explanation
The new PGRET value supplied as an initialization option has caused all the single-key retrieval values to be rebuilt. The value shown in the message exceeds 16 bytes. x can be a value 1 through 3 for A and 1 through 12 for F.

System action
The key given in the message (PA1-PA3 and PF1-PF12 respectively) is disabled.

User response
If it has been specified (by PARM) that initialization overrides can be entered by means of the console, the opportunity will be given to re-enter the PGRET and/or the SKRxxxx initialization option.

Module:
DFHPASY

XMEOUT parameters/Message inserts
1. applid
2. proname

Destination
Console
DFHSI1558 applid Profile DFHCICSE cannot be found.

Explanation
The DFHCICSE profile is essential for CICS to initialize correctly. However it was not defined in the group list specified in the startup job stream.

System action
A dump is provided and CICS is terminated.

User response
Ensure that the DFHCICSE profile is defined in the group list specified in the startup job stream. A definition of DFHCICSE is provided in the DFHSTAND group on the CICS system definition (CSD) file.

Module:
DFHXCPA, DFHSIJ1

XMEOUT parameters/Message inserts
1. applid

Destination
Console
DFHSI1562 applid Unable to initialize application domain statistics.

Explanation
During CICS initialization, an error was detected while the application domain (AP) statistics control module, DFHSII1, was being initialized. This could indicate a problem with the AP component of CICS.

System action
An exception trace entry is made in the trace table and CICS terminates abnormally with a system dump. Message DFHME0116, which contains the symptom string for this problem, is produced.
User response

This error may have occurred because of an earlier error detected by the kernel (KE) domain of CICS. Look for earlier messages from the KE domain beginning DFHKExxxx, CICS trace table entries with the prefix KE and a dump. These indicate the type of error and the action that should be taken.

If no earlier error is detected by the KE component, DFHSII1 makes an exception entry in the trace table (id=X’0700’) and terminates CICS abnormally with code=1562 and with a system dump. In this case you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHSII1

XMEOUT parameters/Message inserts

1. applid

Destination

Console

DFHSI1569I applid 3270 datastream validation is active for BMS.

Explanation

This is an informatory message indicating that the BMS 3270 Intrusion Detection Service is enabled.

System action

System initialization continues.

User response

None.

Module:
DFHSIPLT

XMEOUT parameters/Message inserts

1. applid

2. xxxxxxxx

3. yy

Destination

Console

DFHSI1573 date time applid Terminal Control is unavailable due to an unsupported access method.

Explanation

ACB/TCAM, and releases of VTAM prior to version 3, are not supported by this release of CICS.

System action

CICS terminates with a system dump.

User response

Update your access method.

Module:
DFHZSLS
XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
Console

DFHSI1574  APPLID TCTUA Subpool not added in DFHZRPL. CICS initialization cannot continue.

Explanation
An attempt to add a subpool by the storage manager has failed. Module DFHZRPL has failed in an attempt to add a subpool for use by the TCTUA's associated with non-VTAM terminals. Since it is necessary to have the subpool present for use when needed, this is a serious error.

System action
The initialization of the CICS system which tried to perform the addition of the subpool abends. If it was not able to add the subpool, then CICS is not able to execute properly.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHZRPL

XMEOUT parameters/Message inserts
1. APPLID

Destination
Console

DFHSI1575  APPLID Getmain failed for TCTUA subpool in module DFHZRPL. CICS initialization cannot continue.

Explanation
The module DFHZRPL has failed in an attempt to GETMAIN an area of storage for use by the TCTUA

Subpool. This subpool has already been added but no storage yet exists for it. This is a serious error.

System action
As a result of the GETMAIN failure so early in the initialization sequence, it is not possible to continue the CICS initialization. The CICS system which tried and failed to perform the GETMAIN terminates.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHZRPL

XMEOUT parameters/Message inserts
1. APPLID

Destination
Console

DFHSI1576  applid Unable to find VTAM ACB.

Explanation
An error was encountered during system initialization while attempting to find the VTAM ACB.

System action
CICS continues to initialize, but VTAM is not available.

User response
If you do not require VTAM support, this message can be ignored.

If you have VTAM installed on your system, check that VTAM=NO has not been specified as a system initialization parameter. If VTAM=YES is specified, investigate why VTAM is not currently available on your system.

Module:
DFHSIF1

XMEOUT parameters/Message inserts
1. applid

1840  CICS TS for z/OS: CICS Messages
**Destination**

Console

**DFHSI1578D** applid PLTPI specified cannot be found. Reply GO or CANCEL.

**Explanation**

The source for post-initialization program list table (PLTPI) cannot be found in PARMLIB or DFHTABLE library concatenations.

**System action**

If the response is 'CANCEL', CICS is terminated. If the response is 'GO', processing continues without PLT processing.

**User response**

Respond 'GO' or 'CANCEL'.

**Module:**

DFHSIPLT

**XMEOUT parameters/Message inserts**

1. applid
2. GO
3. CANCEL

**Destination**

Console

**DFHSI1579D** applid Module modname { PLT | connection } program progname not found. Reply GO or CANCEL.

**Explanation**

This message indicates that either a program defined in the post-initialization program list table (PLTPI) cannot be found, or a connection program used when connecting to CICSPlex SM, DBCTL, DB2 or MQ cannot be found. The attempt to invoke a connection program results from coding CPSMCONN=CMAS, or CPSMCONN=LMAS, or CPSMCONN=WUI, or DBCTLCM= YES, or DB2CONN= YES, or MQCONN= YES in the SIT.

For PLT programs, if the message is issued during the first PLT phase in initialization, the program does not exist in the CICS program library. If the message is produced during the post-initialization PLT phase, the program did not have a program entry which was installed and enabled, or the program was not found in the CICS program library.

For connection programs, the program did not have an installed program entry or was not found in the CICS program library.

**modname** indicates which of the modules issued the message. **progname** is the name of the program which cannot be found.

**System action**

If the response is 'CANCEL', CICS is terminated. If the response is 'GO', the program is bypassed.

**User response**

Reply 'CANCEL' or 'GO'.

**Module:**

DFHSIPLT

**XMEOUT parameters/Message inserts**

1. applid
2. modname
3. Value chosen from the following options:
   
   1= PLT,
   2= connection
4. progname
5. GO
6. CANCEL

**Destination**

Console

**DFHSI1580D** applid { PLT | Connection } program progname has abended, code abcode. Reply GO or CANCEL.

**Explanation**

CICS was processing either the initialization program list table (PLT) when the PLT program **program-name** abended with abend code **abcode**, or was processing connection program **program-name** and it abended with abend code **abcode**.

**System action**

If the response is 'CANCEL', CICS is terminated. If the response is 'GO', the program is bypassed.

**User response**

Reply 'CANCEL' or 'GO'.
Module: DFHSIPLT

XMEOUT parameters/Message inserts
1. applid
2. Value chosen from the following options:
   1= PLT,
   2= Connection
3. program-name
4. abcode
5. GO
6. CANCEL

Destination
Console

DFHSI1582 applid Local DLI PSBs present in the PDIR. CICS does not support local DLI.

Explanation
CICS has detected that local PSBs are present in the user specified PDIR. CICS no longer supports local DLI. A PDIR is only required for remote DLI, and must contain only remote PSB definitions. A PDIR is not required for DBCTL.

System action
A CICS abend dump is produced, and CICS is terminated.

User response
If remote DLI is required, correct the PDIR by removing the local PSBs. Then reassemble and relinkedit the PDIR, and resubmit the CICS job.
If remote DLI support is not required, change the system initialization table (SIT) to specify PDIR=NO.

Module: DFHSI1

DFHSI1589 applid VTAM is not currently active.

Explanation
CICS initialization cannot OPEN the VTAM access method control block (ACB) because VTAM is not active.

System action
If this is an alternate system, CICS waits for 15 seconds and retries the OPEN indefinitely.
If this is not an alternate system, CICS proceeds with the rest of initialization. The Open VTAM Retry transaction COVR is attached, and retries the OPEN every 5 seconds for ten minutes.

User response
In the case of an alternate, check that VTAM is on its way up. If it is not, you can cancel this alternate.

Module: DFHSIF1

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHSI1590 applid XRF alternate cannot proceed without VTAM.

Explanation
CICS initialization cannot OPEN the VTAM access method control block (ACB). The ACB error code may be found in the preceding message DFHSI1572.

System action
CICS is terminated with a dump.

User response
Refer to DFHSI1572 and use the information to try and resolve the causes of the errors.

Module: DFHSIF1

XMEOUT parameters/Message inserts
1. applid
Destination
Console
DFHSI1591 applid Unable to attach transaction CFCT.

Explanation
CICS initialization cannot attach transaction CFCT which is used for file control replication logging.

System action
CICS is terminated with a dump.

User response
Keep the dump produced by CICS initialization. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHSIJ1

XMEOUT parameters/Message inserts
1. applid

Destination
Console
DFHSI1592 applid CICS applid not (yet) active to VTAM.

Explanation
CICS initialization cannot OPEN the VTAM access method control block (ACB) because VTAM does not recognize the APPLID (VTAM error X'5A'). There may be a user error in the value of APPLID (for example, on a SIT override) or the application subarea containing APPLID may not be active in VTAM. Alternatively, it may be possible that VTAM is still coming up. If so, the problem may correct itself when VTAM completes its initialization.

System action
If this is an alternate CICS, wait for 15 seconds and retry the OPEN indefinitely. If this is not an alternate, CICS proceeds with the rest of initialization.

User response
In the case of an alternate, check that VTAM is on its way up. If it is, check that the required application sub-area is active in VTAM. If it is, you may cancel this alternate. If this is not an alternate, you can use CEMT to retry the OPEN when CICS has initialized.

Module:
DFHSIF1

XMEOUT parameters/Message inserts
1. applid

Destination
Console
DFHSI1594 applid A xxxx level of module progname is being loaded.

Explanation
The system is loading a level of module progname that was not assembled against the current level of CICS in the CICS Transaction Server product. The level xxxx shows the level of the module being used.

System action
System initialization continues.

User response
Ensure that it is valid to use an old level of module progname. Usually, it will be necessary to reassemble the module for the current level of CICS being used.

Module:
DFHAPSIP

XMEOUT parameters/Message inserts
1. applid
2. xxxx
3. progname

Destination
Console
DFHSI1596 applid Nucleus module progname cannot be located.

Explanation
Nucleus module progname was not found in the CICS library while loading the nucleus.

System action
The AP domain initialization routines continue to attempt to load the remaining nucleus modules.
After trying to load all the nucleus modules, CICS is terminated.

**User response**  
Add the missing module `progname` to the appropriate library and restart CICS.

**Module:**  
DFHAPSIP, DFHSID1

**XMEOUT parameters/Message inserts**  
1. `applid`  
2. `progname`

**Destination**  
Console

DFHSI1597  
`applid VTAM=YES` invalid with a non VTAM TCT - VTAM=NO forced.

**Explanation**  
The TCT loaded has been assembled with ACCMETH=NONVTAM but VTAM=YES was specified on the SIT.

**System action**  
CICS continues but without VTAM support.

**User response**  
To use VTAM, remove ACCMETH=NONVTAM from the TCT macro.

**Module:**  
DFHZINT

**XMEOUT parameters/Message inserts**  
1. `applid`

**Destination**  
Console

DFHSI1599  
`applid Region/Partition size insufficient to initialize transient data.`

**Explanation**  
Transient data initialization failed, either because an attempt to create Storage Manager subpool failed or because an attempt to get storage failed.

**System action**  
A system dump is produced, and CICS is abnormally terminated.

**User response**  
Increase the region size available to CICS.

**Module:**  
DFHSID1

**XMEOUT parameters/Message inserts**  
1. `applid`

**Destination**  
Console

DFHSI1600I  
`applid VTAM High Performance Option is active.`

**Explanation**  
CICS has successfully activated the z/OS Communications Server High Performance Option.

**System action**  
Normal processing continues.

**User response**  
None.

**Module:**  
DFHZINT

**XMEOUT parameters/Message inserts**  
1. `applid`

**Destination**  
Console

DFHSI1601  
`applid VTAM High Performance Option activation failed.`

**Explanation**  
CICS attempted to activate the z/OS Communications Server High Performance Option. Activation failed.

**System action**  
CICS terminates abnormally with a system dump.
User response
Check to see whether the CICS type 6 SVC number has been defined correctly via the SRBSVC SIT parameter or SIT override.
Check that the SVC has been correctly installed as described in the Installing CICS TS.

Module: DFHZINT

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHSI1610 applid Unable to link to program DFHAMIO - CICS is terminating.

Explanation
The DFHAMIO program cannot be found in the load library. Resource overrides cannot be processed.

System action
CICS is terminated.

User response
Ensure that the DFHAMIO program is in the load library.

Module: DFHSII1

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHSI1612 applid Errors detected while processing resource overrides file - CICS is terminating.

Explanation
One or more errors were detected while processing the resource overrides file.

System action
CICS is terminated.

User response
Refer to the DFHCAnnnn, DFHYMnnnn or DFHRVnnnn messages sent to the DFHCXRF extrapartition data set for details of the errors and how to resolve them.

Module: DFHSII1

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHSI1611 applid Severe error detected in DFHAMIO - CICS is terminating.

Explanation
A severe error was detected while processing the resource overrides file.

System action
A dump is provided and CICS is terminated.

User response
This message indicates an error in DFHAMIO module. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHSII1

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHSI1784 applid The user shutdown assist transaction tranid has not been defined as a shutdown enabled local transaction.

Explanation
This message is issued during CICS initialization and indicates that the user shutdown assist transaction specified on the system initialization table (SIT) has not been defined as a shutdown enabled local transaction.
System action
No action is taken. A TRANSIDERR may be returned on PERFORM SHUTDOWN.

User response
Do one of the following:
• Correct the shutdown transaction definition.
• Change or remove the SIT SDTRAN option.
• Use the CEMT or EXEC CICS PERFORM SHUTDOWN SDTRAN option.
Module:
DFHSIJ1

XMEOUT parameters/Message inserts
1. applid
2. tranid

Destination
Console

DFHSI1800I applid CICS no longer supports assembled PLT tables. PLT pltname does not contain any program names.

Explanation
PLT pltname does not contain any PROGRAM=xxxxxxx entries.

System action
CICS is terminated.

User response
Ensure that your PLT is not assembled and that it contains PROGRAM= entries for the PLT programs which should be invoked.
Module:
DFHSIPLT

XMEOUT parameters/Message inserts
1. applid
2. pltname

Destination
Console

DFHSI2813 applid Program DFHRCEX cannot be found.

Explanation
CICS cannot find DFHRCEX in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System action
CICS initialization terminates with a dump.

User response
To correct this error, place DFHRCEX in a partitioned data set in the DFHRPL DD statement.
Module:
DFHSIJ1

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHSI2810 applid CANCEL reply received. CICS is terminating.

Explanation
A CANCEL reply has been received.

System action
CICS terminates.

User response
Refer to previous messages to determine what action to take.
Module:
DFHSII1, DFHSIPLT, DFHAMPIL, DFHTDRP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHSI2813 applid Program DFHRCEX cannot be found.

Explanation
CICS cannot find DFHRCEX in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System action
CICS initialization terminates with a dump.

User response
To correct this error, place DFHRCEX in a partitioned data set in the DFHRPL DD statement.
Module:
DFHSIJ1

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHSI8420I applid About to link to PLT programs during the second stage of initialization.
Explanation
CICS is about to link to the user PLT programs defined in the PLTPI system initialization parameter during the second stage of initialization.

System action
Control is passed to the user PLT programs.

User response
None. This message can be suppressed with the system initialization parameter MSGLVL=0.

Module: DFHSIPLT

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHSI8421I  applid  programe has been invoked during the second stage of initialization.

Explanation
CICS has invoked user PLT program programe during the second stage of initialization.

System action
Control is returned to CICS.

User response
None.

Module: DFHSIPLT

XMEOUT parameters/Message inserts
1. applid

Destination
CSSL

DFHSI8424I  applid  Control returned from PLT programs during the second stage of initialization.

Explanation
Control is returned to CICS to continue system initialization.

System action
Control is returned to CICS.

User response
None. This message can be suppressed with the system initialization parameter MSGLVL=0.

Module: DFHSIPLT

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHSI8430I  applid  About to link to PLT programs during the third stage of initialization.

Explanation
CICS is about to link to the user PLT programs defined in the PLTPI SIT parameter during the third stage of initialization.

System action
Control is passed to the user PLT programs.

User response
None. This message can be suppressed with the system initialization parameter MSGLVL=0.

Module: DFHSIPLT

XMEOUT parameters/Message inserts
1. applid

Destination
Console
DFHSI8431I  date time applid PLT program programe name has been invoked during the third stage of initialization.

Explanation
CICS has invoked user PLT program programe name during the third stage of initialization.

System action
Control is returned to CICS.

User response
None.

Module:
DFHSIPLT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. programe name

Destination
CSSL

DFHSI8434I  applid Control returned from PLT programs during the third stage of initialization.

Explanation
Control is returned to CICS to continue system initialization.

System action
Control is returned to CICS.

User response
None. This message can be suppressed with the system initialization parameter MSGLVL=0.

Module:
DFHSIPLT

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHSI8440I  applid Initiating connection to resmanager.

Explanation
CICS is about to connect to the specified resource manager immediately prior to running PLT programs during the third stage of initialization. The resource manager is CICSPlex SM, DBCTL, DB2 or MQ. Connection is initiated because CPSMCONN=CMAS, or CPSMCONN=LMAS, or CPSMCONN=WUI, or DBCTLCON=YES, or DB2CONN=YES, or MQCONN=YES was specified in the SIT.

System action
Control is passed to the resource manager connect program.

User response
None. This message can be suppressed with the system initialization parameter MSGLVL=0.

Module:
DFHSIPLT

XMEOUT parameters/Message inserts
1. applid
2. resmanager

Destination
Console

DFHSI8441I  applid Connection to resmanager qualifier successfully completed.

Explanation
CICS has successfully connected to the specified resource manager immediately prior to running PLT programs during the third stage of initialization. The resource manager name is shown along with the resource manager qualifier.

System action
CICS processing continues.

User response
None. This message can be suppressed with the system initialization parameter MSGLVL=0.
Module: DFHSIPLT

**XMEOUT parameters/Message inserts**

1. applid
2. resmanager
3. qualifier

**Destination**

Console

**DFHSI8442** *applid* Connection to *resmanager* has failed.

**Explanation**

CICS was unable to connect to resource manager *resmanager* immediately prior to running PLT programs during the third stage of initialization. The resource manager is DBCTL, DB2 or MQ. Connection was initiated because DBCTLCON=YES, or DB2CONN=YES, or MQCONN=YES was specified in the SIT.

**System action**

CICS processing continues.

**User response**

Refer to previous messages issued by CICS or the resource manager adapter to determine why the connection attempt failed.

---

**Module: DFHSIPLT**

**DFHSI8443** *applid* Connection to *resmanager* not completed. Adapter is awaiting initialization of *resmanager*.

**Explanation**

CICS was unable to complete connection to resource manager *resmanager* immediately prior to running PLT programs during the third stage of initialization.

**System action**

CICS processing continues. The connection is completed when the resource manager is initialized, provided that the resource manager was defined to the system before the initial connection attempt.

**User response**

Refer to messages issued by the relevant resource manager adapter to determine when connection is completed.

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**Module: DFHSIJ1**

**DFHSI8445** *applid* An attempt to getmain storage intended for the Language Interface work area failed.

**Explanation**

An attempt to getmain storage intended for the Language Interface work area failed.

**System action**

CICS terminates with a system dump.

**User response**

Increase below the line storage available to CICS.

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Chapter 2. CICS messages 1849
Destination

Console

DFHSI8446 applid The CICS region userid userid is not authorized to use PARM or SYSIN parameter {HPO}. CICS is terminated.

Explanation

During initialization, CICS detected that the system initialization parameter shown in the message cannot be specified in JCL PARM or SYSIN parameters because this is not authorized by the external security manager. The CICS region userid must be authorized by the external security manager to allow this parameter in JCL PARM or SYSIN parameters.

System action

CICS terminates.

User response

Contact your security administrator for assistance.

Module:
DFHSIII1

XMEOUT parameters/Message inserts

1. applid
2. userid
3. Value chosen from the following options:
   1=HPO

DFHSJnnnn messages

DFHSJ0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation

An unexpected program check or abend occurred with abend code aaa/bbbb.

The program status word (PSW) at the time of the program check or abend indicated that CICS was executing at offset X'offset' in module modname. This may have been caused by corruption of CICS code or control blocks.

System action

A system dump is taken and the system attempts to continue operation unless otherwise directed by entries in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Investigate the cause of the program check or abend using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

If you cannot resolve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.
Module: DFHSJDM, DFHSJIN, DFHSJIS, DFHSJRM

XMEOUT parameters/Message inserts
1. applid
2. aaa/bbbb
3. X'offset'
4. modname

Destination
Console

DFHSJ0002 applid A severe error (code X'code') has occurred in module module.

Explanation
The recovery manager domain has received an unexpected error response from some other part of CICS. The operation requested by recovery manager is described by code X'code'.

For further information about CICS exception trace entries, refer to the Troubleshooting and support.

System action
A system dump is taken and the system attempts to continue operation unless specifically inhibited by dump table entries.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If you cannot resolve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHSJDM, DFHSJIN, DFHSJIS, DFHSJRM

XMEOUT parameters/Message inserts
1. applid
2. X'code'
3. module

Destination
Console

DFHSJ0004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation
A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which happened to be executing at the time when the error was detected.

System action
An exception entry is made in the trace table.

A system dump is taken unless you have specifically suppressed the dump by a user exit program at the XDUREQ exit, in the dump table, or by global system dump suppression. CICS processing continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If CICS has not terminated, you must decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message might have been caused by a long-running function and there might not be an error. Usually, CICS purges a CICS function which exceeds the runaway task time interval that you have specified in the ICVR system initialization parameter. This means that execution of module modname is terminated and CICS continues.

If you have specified system initialization parameter ICVR=0 and you believe that module modname is looping, you must terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you believe that it was not a runaway, you should increase the value of the ICVR system initialization parameter. You have to close down CICS at a suitable time to do this permanently. You can change the ICVR time interval temporarily online using the CEMT transaction.

If increasing the value of ICVR does not solve the problem, you might need further assistance from IBM to resolve the problem. See Working with IBM to solve your problem for guidance on how to proceed.
**XMEOUT parameters/Message inserts**

1. **applid**
2. **X‘offset’**
3. **modname**

**Destination**

Console

**DFHSJ0005**  
applid AN UNEXPECTED ABEND HAS OCCURRED ON THE INITIAL PTHREAD TCB FOR JVMSERVER: jvmserver.

**Explanation**

The initial pthread TCB for JVMSERVER resource jvmserver has abended unexpectedly.

**System action**

CICS attempts to take a system dump with dumpcode KERNDUMP.

**User response**

The JVMSERVER resource jvmserver will become unresponsive and it will not be possible to restart it. You should cancel CICS if you cannot run without the JVM server.

**Module:** DFHSJPTI

**Destination**

Console

**DFHSJ0006**  
applid AN UNEXPECTED ABEND HAS OCCURRED ON THE INITIAL PTHREAD TCB FOR NODEJSAPP: nodejsapp.

**Explanation**

The initial pthread TCB for NODEJSAPP resource nodejsapp has abended unexpectedly.

**System action**

CICS attempts to take a system dump with dumpcode KERNDUMP.

**User response**

Investigate the cause of the program check or abend using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

If you cannot resolve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHSJNDI

**Destination**

Console

**DFHSJ0007**  
applid Unexpected signal received by JVMSERVER: jvmserver.

**Explanation**

The initial pthread TCB for JVMSERVER resource jvmserver has received a signal. This JVM server is not expected to be the target of external signals.

**System action**

None.

**User response**

The JVMSERVER resource jvmserver has been the target of a signal. The effect of the signal on the JVM depends on the type of signal that was sent. If the signal forces termination of the JVM then message DFHSJ0008 will also be issued.

No action is required, but this message could be used in a MSGID SLIP to capture a dump which can help identify the cause of the signal.

**Module:** DFHSJPTI

**Destination**

Console

**DFHSJ0008**  
applid Unexpected termination of the JVM has been detected for JVMSERVER: jvmserver.

**Explanation**

The initial pthread TCB for JVMSERVER resource jvmserver has detected that the JVM has unexpectedly terminated.

**System action**

None.
User response

The JVMSERVER resource jvmserver will become unresponsive and it will not be possible to restart it. You should cancel CICS if you cannot run without the JVM server.

Module:
DFHSJPTI

Destination
Console

**DFHSJ0101I** `applid` The JVM (SJ) domain for Java has started initializing. Java is a trademark of Oracle and/or its affiliates.

Explanation

This is an informational message indicating that SJ domain domain initialization has started.

System action

System initialization continues.

User response

None. The message can be suppressed with the system initialization parameter MSGLVL=0.

Module:
DFHSJDM

**XMEOUT parameters/Message inserts**

1. `applid`

Destination
Console

**DFHSJ0102I** `applid` SJ domain initialization has ended.

Explanation

The SJ domain initialized correctly.

System action

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. CICS could be shut down by the caller, for example, the domain manager, DFHDMDM. A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

This message indicates a possible error in CICS code. The severity of its impact depends on the importance of the function that is being run at the time of the error.

CICS might not have been shut down. If the message occurs once and the domain is not crucial to the running of your CICS system, you can continue initialization and shut down CICS at a convenient time to resolve the problem.

If the message recurs or if you cannot continue without the full use of SJ domain, shut down CICS using a controlled shutdown.
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**

Console

**DFHSJ0207**

*Date time applid JVMSERVER jvmserver is running Java version version.*

**Explanation**

This message shows the version of Java that each JVMSERVER is running. It is issued whenever a Java Virtual Machine is started. The version found at runtime is version.

**System action**

None.

**User response**

None.

**Module:**

DFHSJIN

**XMEOUT parameters/Message inserts**

1. **Date**
2. **time**
3. **applid**
4. **jvmserver**
5. **version**

**Destination**

CSMT

**DFHSJ0210**

*date time applid An attempt to start a JVM for the JVMSERVER resource jvmserver has failed. Reason code: {JVMPROFILE_ERROR | OPEN_JVM_ERROR | JNI_CREATE_NOT_FOUND | SETUP_CLASS_NOT_FOUND | TERMINATION_CLASS_NOT_FOUND | CREATE_JVM_FAILED | CHANGE_DIRECTORY_CALL_FAILED | WORK_DIR_READ_ONLY | ERROR_LOCATING_MAIN_METHOD | ATTACHJNI_THREAD_FAILED | SETUP_CLASS_TIMEDOUT | ENCLAVE_INIT_FAILED | USS_WORKDIR_CHECK_FAILED | REDIRECT_IO_FAILED | ANGEL_UNAVAILABLE | ERROR_CODE_UNRECOGNIZED | WORKDIR_TOO_LONG}.*

**Explanation**

An attempt to start a JVM for the JVMSERVER resource jvmserver has failed.

If this is for JVMSERVER EYUCMCIJ see Setting up CMCI with CICSPlex SM.

The reason code provides further information about why the JVM failed to start:

**ANGEL_UNAVAILABLE**

The Liberty angel process is unavailable.

**ATTACHJNI_THREAD_FAILED**

An attempt to attach a thread and run setup or termination classes in the JVM server has failed.

**CHANGE_DIRECTORY_CALL_FAILED**

An attempt to change the zFS working directory has failed.

**CREATE_JVM_FAILED**

An attempt to create a JVM has failed. Additional diagnostic messages have been output to the standard error stream.

**ENCLAVE_INIT_FAILED**

The Language Environment enclave failed to initialize successfully. Check for additional diagnostic messages in the standard error stream.

**ERROR_CODE_UNRECOGNIZED**

START_JVM returned an error that was not handled.

**ERROR_LOCATING_MAIN_METHOD**

An attempt to locate the main method within a setup or termination class has failed. An exception has been output to the standard error stream.

**JNI_CREATE_NOT_FOUND**

JNI Create has not been found. This error might occur because the JAVA_HOME value in the JVM profile does not specify the correct Java installation location.
JVMPROFILE_ERROR
An error occurred when processing the JVM profile. Additional diagnostic messages have been output to the standard error stream. The standard error stream is usually redirected to the location on zFS specified by the WORK_DIR parameter of the JVM profile. However, for early failures prior to redirection, the standard error stream might be located in SYSPRINT, or in the CICS log as a dynamically generated DD name.

OPEN_JVM_ERROR
An error occurred when opening the JVM DLL. This error might occur because the JAVA_HOME value in the JVM profile does not specify the correct Java installation location.

REDIRECT_IO_FAILED
An attempt to redirect stdout, stderr, or jvmtrace output for the JVM has failed. Additional diagnostic messages have been output to the standard error stream either on zFS, in SYSPRINT, or in the CICS log as a dynamically generated DD name.

SETUP_CLASS_NOT_FOUND
A setup class specified in the JVM profile cannot be found. An exception has been output to the standard error stream.

SETUP_CLASS_TIMEDOUT
A setup class did not return in a reasonable amount of time and was therefore canceled.

WORK_DIR_READ_ONLY
An attempt to write to the USS working directory has failed. The most likely reason is that the CICS job has read access only to the directory specified by WORK_DIR in the JVM profile.

TERMINATION_CLASS_NOT_FOUND
A termination class specified in the JVM profile cannot be found. An exception has been output to the standard error stream.

USS_WORKDIR_CHECK_FAILED
An attempt to write to the USS working directory has failed. This might be because the file system is full, or because the CICS region lacks sufficient authority to write to the directory specified by WORK_DIR in the JVM profile.

USS_WORKDIR_TOO_LONG
The value of the WORKDIR entry in the JVM profile is greater than the maximum supported value.

System action
CICS was unable to create the JVM and returns an error to the calling module.

User response
Examine reason code msg_reason to determine why the JVM creation failed and, if required, perform one of the following user actions:

JVMPROFILE_ERROR
Use the additional messages in the standard error stream to determine the cause of the problem. The messages that are output prior to the redirection can be found either in SYSPRINT or in a dynamically generated DD name in the CICS log.

OPEN_JVM_ERROR
Check that the JAVA_HOME value in the JVM profile specifies the correct Java installation location.

JNI_CREATE_NOT_FOUND
Check that the JAVA_HOME value in the JVM profile specifies the correct Java installation location.

SETUP_CLASS_NOT_FOUND
Check the following:
• The directory or archive containing the setup class is added to the classpath using the CLASSPATH_SUFFIX JVM Profile option.
• The setup class is fully qualified.
Use the exception output to the standard error stream, to determine the cause of the problem.

TERMINATION_CLASS_NOT_FOUND
Check the following:
• The directory or archive containing the termination class is added to the classpath using the CLASSPATH_SUFFIX JVM Profile option.
• The termination class is fully qualified.
Use the exception output to the standard error stream, to determine the cause of the problem.

CREATE_JVM_FAILED
Use the diagnostic messages output to the standard error stream to determine the cause of the problem.

CHANGE_DIRECTORY_CALL_FAILED
Check that the CICS job has read, write and execute access to the directory specified by WORK_DIR in the JVM profile.
STDOUT/STDERR_ACCESS_FAILED
Check that the CICS job has read and write access to the directory specified by WORK_DIR in the JVM profile.

ERROR_LOCATING_MAIN_METHOD
Use the exception in the standard error stream to determine the cause of the problem.

ATTACH_JNI_THREAD_FAILED
Contact IBM Support.

SETUP_CLASS_TIMEDOUT
Ensure your setup classes are not long running and return from the JVM within a reasonable time limit.

ENCLAVE_INIT_FAILED
To determine the cause of the problem check SYSPRINT, or the CICS log, for error messages that are output by the Language Environment. It is likely that there is not enough storage available to Language Environment. Additional information may be available in message DFHSJ0216.

USS_WORKDIR_CHECK_FAILED
Review the USS permissions that are set for the WORK_DIR directory. If the file system is full, either allocate additional space, or consider removing or archiving files that are no longer needed from the working directory.

ANGEL_UNAVAILABLE
Review the actions of the accompanying DFHSJ1400E, DFHSJ1401E, DFHSJ1402W, DFHSJ1403W or DFHSJ1404D message.

REDIRECT_IO_FAILED
Use the exception in the standard error stream to determine the cause of the problem.

ERROR_CODE_UNRECOGNIZED
Contact IBM Support.

Module:
DFHSJIN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. jvmserver
5. Value chosen from the following options:
   1=JVMPROFILE_ERROR,
   2=OPEN_JVM_ERROR,
2. time
3. applid
4. jvmserver

**Destination**
CSMT and Console

**DFHSJ0212**  
*time applid* An error occurred while terminating the JVM belonging to the JVMSERVER resource *jvmserver*. Reason code: 
{TERMINATION_CLASS_NOT_FOUND | ERROR_LOCATING_MAIN_METHOD | ERROR_CODE_UNRECOGNIZED | TERMINATION_CLASS_TIMED_OUT | TERMINATION_TIMED_OUT}

**Explanation**
An error occurred when terminating the JVM belonging to the JVMSERVER resource *jvmserver*. The reason code provides further information about why the JVM failed to terminate correctly.

**TERMINATION_CLASS_NOT_FOUND**
A termination class that was specified in the JVM profile cannot be found. An exception is output to the standard error stream.

**ERROR_LOCATING_MAIN_METHOD**
An attempt to locate the main method a termination class has failed. An exception is output to the standard error stream.

**ERROR_CODE_UNRECOGNIZED**
TERMINATE_JVM returned an error that was not handled.

**TERMINATION_CLASS_TIMED_OUT**
A termination class that was specified in the JVM profile has not completed execution in the time allowed by CICS. Execution of the class was halted.

**TERMINATION_TIMED_OUT**
TERMINATE_JVM timed out.

**System action**
CICS continues terminating the JVM and returns an error to the calling module.

**User response**
Examine reason code *msg_reason* to determine why the error occurred during JVM termination and, if required, perform one of the following user actions:

**TERMINATION_CLASS_NOT_FOUND**
Check the following in the JVM profile:
- The directory or archive containing the termination class is added to the class path using the CLASSPATH_SUFFIX option.
- The termination class is fully qualified.
Use the exception output to the standard error stream, to determine the cause of the problem.

**ERROR_LOCATING_MAIN_METHOD**
Use the exception output to the standard error stream to determine the cause of the problem.

**ERROR_CODE_UNRECOGNIZED**
Contact IBM Support.

**TERMINATION_CLASS_TIMED_OUT**
Ensure that the classes specified in the JVM profile are not long running tasks and that they complete within a reasonable amount of time.

**TERMINATION_TIMED_OUT**
Review SYSOUT/SYSPRINT or the JVM server standard error stream to determine why the server could not terminate cleanly.

**Module:**
DFHSJIN

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. jvmserver
5. Value chosen from the following options:
   1=TERMINATION_CLASS_NOT_FOUND,  
   2=ERROR_LOCATING_MAIN_METHOD,  
   3=ERROR_CODE_UNRECOGNIZED,  
   4=TERMINATION_CLASS_TIMED_OUT,  
   5=TERMINATION_TIMED_OUT

**Destination**
CSMT and Console
An exception has been thrown by the main method of a termination class, which was running in the JVM belonging to the JVMSERVER resource *jvmserver*.

**Explanation**
An exception has been thrown by the main method of a termination class, which was running in the JVM belonging to the JVMSERVER resource *jvmserver*. This exception occurred during the discard of the JVM server.

**System action**
CICS writes the action to the standard error stream and continues discarding the JVM server and terminating its JVM.

**User response**
Examine the exception that was thrown by the JVM to determine the cause of the problem. The exception is in the standard error stream.

**Module:** DFHSJIN

**Explanation**
The OSGi framework initialization has failed.

**System action**
The JVMSERVER resource is disabled.

**User response**
Check the JVM server log files for any error messages. The log files are in the JVM server working directory in zFS.

**Module:** DFHSJSC

**Explanation**
A class in a JVM server has invoked the System.exit() method, which causes the JVM to shut down. CICS must immediately shut down to preserve data integrity.

**System action**
CICS takes a system dump, and shuts down immediately.
**Explanation**

The JVM server attempted to initialize a Language Environment enclave using the pre-initialized interface. This failed with return code \texttt{rc}.

**System action**

CICS was unable to initialize a Language Environment enclave and returns an error to the calling module.

**User response**

Review the STDERR log for any messages that may have been issued prior to the failure. The location of the STDERR file is defined in the JVM profile. If the error has occurred early in the initialization, STDERR will be written to SYSOUT or SYSnnnnn in the CICS job log.

Look at SYSOUT or CESE destination for Language Environment messages. Look in z/OS Language Environment Programming Guide for the CELQPIPI function and find the explanation of the return code (Register 15) for that function.

Ensure that SCEERUN2 and SCEERUN are in the RPL concatenation.

Ensure that the OMVS segment has been set up for the userid that the CICS region runs under.

Ensure that the OMVS RACF (or equivalent) segment has been defined for the userid that the CICS region runs under.

If the problem persists you may need to contact your IBM support representative.

**Module:**

DFHSJIN

**XMEOUT parameters/Message inserts**

1. Date
2. time
3. applid
4. jvmserver
5. \texttt{X’rc’}

**Destination**

CSMT and Console

---

**Explanation**

256 com.ibm.cics.server.FileBrowse sessions have been activated without being closed for the same CICS task. CICS is unable to determine whether these FileBrowse sessions are currently being used, or have ended due to an implicit SYNCPOINT.

**System action**

Subsequent FileBrowse sessions will reuse existing REQID values. This might result in new FileBrowse sessions joining an existing active FileBrowse session.

**User response**

Modify the calling application to call the end() method on the FileBrowse objects when they are no longer needed.

**Module:**

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. trannum

**Destination**

CSMT
Explanation
The JCICS method 'Container.put(String)' is deprecated and will be removed in a future release of CICS.

System action
This message will not be issued again for this JVM server.

User response
You should review all of your Java applications and change them to use 'Container.putString(String)' rather than the deprecated (and soon to be removed from CICS) 'Container.put(String)' method. The Java compiler will issue deprecation warning messages of its own if you attempt to recompile the application without making the necessary change. You may rely on this behavior to help identify the source of the problem.

Module:
com.ibm.cics.server.Container

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. jvmserver
5. tranid
6. program_name
7. method_name

Destination
CDEP

DFHSJ0901 I  Date time applid jvmserver tranid program_name Exception occurred invoking main method in class className.

Explanation
The jcics Wrapper class caught exception exception trying to invoke the main method in class className.

System action
An exception trace entry is made and the task is abnormally terminated.

User response
Correct the problem and rerun the task.

Module:
DFJCICS (com.ibm.cics.server.Wrapper.java)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. exception
9. className

Destination
CCZM
DFHSJ0904  

```plaintext
date time applid userid termid tranid program_name Exception 'exception' occurred creating object reference for class className.
```

**Explanation**

An unexpected RuntimeException or Error was thrown that has been caught in the CICS Java Wrapper class.

**System action**

An exception trace entry is made in STDERR and the task is abnormally terminated.

**User response**

Review the STDERR log. The log location is defined in the JVM profile. Typically the exception is caused by a problem in application code. The stack-trace generated in STDERR will indicate on which line of source-code the problem occurred.

**Module:**

com.ibm.cics.server.Wrapper

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. termid
6. tranid
7. program_name
8. className

**Destination**

CCZM

---

DFHSJ0905  

```plaintext
date time applid userid termid tranid program_name Class name className is invalid.
```

**Explanation**

The class name className is invalid. This is often caused by an erroneous leading '" or '" character.

**System action**

An exception trace entry is made and the task is abnormally terminated.

**User response**

Correct the problem and rerun the task.

**Module:**

com.ibm.cics.server.Wrapper

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid

**Explanation**

The class name className is invalid. This is often caused by an erroneous leading '" or '" character.

**System action**

An exception trace entry is made and the task is abnormally terminated.

**User response**

Correct the problem and rerun the task.

**Module:**

com.ibm.cics.server.Wrapper

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid

**Explanation**

The class name className is invalid. This is often caused by an erroneous leading '" or '" character.

**System action**

An exception trace entry is made and the task is abnormally terminated.

**User response**

Correct the problem and rerun the task.

**Module:**

com.ibm.cics.server.Wrapper

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. **plugin**

**Destination**
CSMT

**DFHSJ0907**

<table>
<thead>
<tr>
<th>Date</th>
<th>time</th>
<th>applid</th>
<th>tranid</th>
<th>program_name</th>
<th>tranum</th>
<th>userid</th>
<th>termid</th>
<th>plugin</th>
</tr>
</thead>
</table>

The CICS Java Wrapper **plugin** has thrown exception **exception**.

**Explanation**
The CICS JVM Java Wrapper class caught an exception thrown from **plugin**.

**System action**
The JVM attempts to continue processing the user application.

**User response**
Either contact the **plugin** vendor for further assistance or catch the exception in the body of your plugin.

**Module:**
com.ibm.cics.server.Wrapper

**XMEOUT parameters/Message inserts**

1. Date
2. time
3. applid
4. tranid
5. program_name
6. tranum
7. userid
8. termid
9. plugin
10. exception

**Destination**
CSMT

**DFHSJ0910**

<table>
<thead>
<tr>
<th>date</th>
<th>time</th>
<th>applid</th>
<th>userid</th>
</tr>
</thead>
</table>

**JVMSERVER jvmserver** has been created.

**Explanation**

**JVMSERVER** has been created. This error can occur for various reasons. Details are given in the message.

**System action**
The **JVMSERVER** is not created.

**User response**
Correct the reported problem and try again.

**Module:**
DFHSJJS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. *userid*
5. *jvmserver*
6. Value chosen from the following options:

- 1 = there is insufficient storage.,
- 2 = there is a directory domain error.,
- 3 = a lock cannot be obtained.,
- 4 = there is a duplicate resource error.,
- 5 = it is a duplicate of one that already exists.,
- 6 = the PROFILEDIR is over the maximum length of 240 characters.

**Destination**

CSMT

**DFHSJ0912**  
*date*  
*applid*  
*userid*  
**JVMSERVER**  
n JVMserver was successfully discarded.

**Explanation**

The JVMSERVER was successfully discarded and is no longer available for use.

**System action**

Processing continues.

**User response**

None.

**Module:**

DFHSJJS

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *userid*
5. *jvmserver*

**Destination**

CSMT

**DFHSJ0914 E**  
*date*  
*applid*  
*userid*  
**JVMSERVER**  
n JVMserver is installed as DISABLED because {the JVM server was not found. | CICS is not authorized to read the JVM profile. | the CJSR transaction could not be attached. | there is insufficient storage available. | the activate mode failed. | the add of the TP tcb failed. | the change mode to the TP tcb failed. | the Language Environment Enclave was not created. | there was a runtime options failure. | there was a failure updating the JVMProfile table. | there were insufficient threads available. | the CJSL transaction could not be attached. | the CJSL ThreadJoiner class could not be created.}

**Explanation**

The JVMSERVER failed to complete initialization.

**System action**

The JVMSERVER has been put into the DISABLED state.
User response
Check that the CICS region ID has permission to access the JVM profile and the LERUNOPTS program. Refer to the message for a more specific reason for failure.
If the problem persists you might need to use the trace facility to determine the cause of the problem.
If this is for JVMSERVER EYUCMCIJ see Setting up CMCI with CICSPlex SM.

Module: DFHSJJS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. jvmserver
6. Value chosen from the following options:
   1=the JVM server was not found.,
   2=CICS is not authorized to read the JVM profile.,
   3=the CJSR transaction could not be attached.,
   4=there is insufficient storage available.,
   5=the activate mode failed.,
   6=the add of the TP tcb failed.,
   7=the change mode to the TP tcb failed.,
   8=the Language Environment Enclave was not created.,
   9=there was a runtime options failure.,
   10=there was a failure updating the JVMProfile table.,
   11=there were insufficient threads available.,
   12=the CJSJ transaction could not be attached.,
   13=the CJSJ ThreadJoiner class could not be created.

Destination
CSMT

DFHSJ0915  date time applid userid
JVMSERVER jvmserver is now enabled and is ready for use.

Explanation
The JVMSERVER has completed initialization and is ready for use.

System action
Processing continues.

User response
None.

Module: DFHSJJS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. jvmserver

Destination
CSMT and Console

DFHSJ0916 W  date time applid userid
the requested thread limit for JVMSERVER jvmserver exceeds the maximum available. The thread limit is set to the maximum available.

Explanation
The requested THREADLIMIT value on the JVMSERVER resource exceeds the available number of threads.

System action
The THREADLIMIT value on the JVMSERVER resource has been set to the maximum value of threads that are currently available in the CICS region.

User response
Check that the new thread limit is acceptable. If the new value is not acceptable, the only option is to reduce the THREADLIMIT value of other JVMSERVER resources in the CICS region and attempt the update again.

Module: DFHSJJS
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. jvmserver

**Destination**

CSMT

**DFHSJ0917I**

`date time applid userid`  
JVMERVER `jvmserver` is disabled.

**Explanation**

The JVMSERVER is disabled.

**System action**

The JVMSERVER has been put into the DISABLED state.

**User response**

None

None

**Module:**

DFHSJJS

---

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. jvmserver

6. Value chosen from the following options:
   1. PHASEOUT
   2. PURGE
   3. FORCEPURGE
   4. KILL

**Destination**

CSMT and Console

**DFHSJ0919 I**

`date time applid userid`  
JVMERVER `jvmserver` is being disabled due to a `{PHASEOUT | PURGE | FORCEPURGE | KILL}` request.

**Explanation**

A JVMSERVER resource is disabling but cannot complete at this time as in-flight work is outstanding.

**System action**

CICS will disable the JVMSERVER resource when the in-flight activity has completed.

**User response**

None.

**Module:**

DFHSJJS

---

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. jvmserver

**Destination**

CSMT

**DFHSJ0917I**

`date time applid userid`  
JVMERVER `jvmserver` is processing any queued bundles.

**Explanation**

The JVM server is processing any OSGi or WAR bundles that were previously installed.

**System action**

Processing continues.

**User response**

None.

**Module:**

DFHSJJS
5. jvmserver

**Destination**
CSMT

| DFHSJ0921 | date | time | applid | userid | jvmserver | A servlet request processed by JVMSERVER jvmserver failed to run because tranid tranid is disabled |

**Explanation**
A servlet request on the JVMSERVER matched a URIMAP which mapped the request to a transaction which is disabled.

**System action**
CICS rejects the request with a HTTP 503 Service Unavailable error.

**User response**
Enable the transaction when this service is available.

**Module:**
DFHSJJS

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. jvmserver
6. tranid

---

**Destination**
CSMT

| DFHSJ0922 | date | time | applid | userid | jvmserver | A request processed by JVMSERVER jvmserver failed to run because tranid tranid was not found |

**Explanation**
A request to the JVMSERVER requires a transaction which is not installed. The transaction might have been specified by application code, or was the result of a URIMAP match on a Web request.

**System action**
CICS rejects the request, if this was a Web request a HTTP 500 Internal Server Error might result.

**Module:**
DFHSJJS

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. jvmserver
6. urimap

---

**Destination**
CSMT

| DFHSJ0923 | date | time | applid | userid | jvmserver | A servlet request processed by JVMSERVER jvmserver failed to run because URIMAP urimap is disabled |

**Explanation**
A servlet request on the JVMSERVER matched a URIMAP that is disabled.

**System action**
CICS rejects the request with a HTTP 503 Service Unavailable response.

**User response**
Enable the URIMAP resource to process future requests.

**Module:**
DFHSJJS

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. jvmserver
6. urimap
**DFHSJ0924**

```
date time applid userid
A servlet request processed by JVMSERVER jvmserver failed to run because the scheme in URIMAP urimap does not match the scheme in the URL.
```

**Explanation**

A servlet request on the JVMSERVER matched a URIMAP with an incorrect scheme.

**System action**

CICS rejects the request with a HTTP 500 Internal Server Error.

**User response**

Change either the SCHEME value on the URIMAP resource or the port definitions. You can change the port definitions in the server.xml file or the JVM profile for the JVM server. If you change the JVM profile, you must restart the JVM server for the change to take effect.

**Module:**
com.ibm.cics.server.Wrapper

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. jvmserver
6. urimap

**Destination**

CSMT

**DFHSJ0925**

```
date time applid userid termid tranid program_name
Exception 'exception' occurred instantiating the Java class referenced by 'class_identifier'.
```

**Explanation**

CICS caught exception exception trying to instantiate an instance of the class referenced by class_identifier.

**System action**

An exception trace entry is made and the task is abnormally terminated.

**User response**

Correct the problem and rerun the task.

**Module:**
com.ibm.cics.server.Wrapper

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. termid

**Chapter 2. CICS messages 1867**
6. tranid
7. program_name
8. exception
9. class_identifier

Destination
CCZM

DFHSJ0928  date time applid userid  Starting to gather diagnostics information for JVMSERVER jvmserver into zFS archive file diags_archive_path using trace file diags_trace_file.

Explanation
A request to gather diagnostics information about the JVMSERVER has been made and CICS is gathering diagnostics.

System action
CICS has started to gather information, which may take some time.

User response
Wait until the diagnostics information has been gathered.

Module:
DFHSJJS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. jvmserver
6. diags_archive_path
7. diags_trace_file

Destination
CSMT

DFHSJ0932  date time applid userid  Failed to gather diagnostics information for JVM server jvmserver into zFS archive directory diags_archive_path because the file path would be too long.

Explanation
A request to gather diagnostics information about the JVMSERVER has been made which CICS could not complete because the file path would be too long for zFS

System action
CICS can not build the requested archive file until the JVM profile configuration has been changed, and the JVM server has been re-enabled.

User response
Shorten the length of the DIAGS_ARCHIVE_DIR setting in your JVM profile if it is set, or reduce the length of your WORK_DIR path for this JVM server.

Module:
DFHSJJS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. jvmserver
6. diags_archive_path
7. diags_trace_file

Destination
CSMT

DFHSJ0933  date time applid userid  Could not gather diagnostics information for JVM server jvmserver because of a problem when the JVM server was enabled. See JVM server log for more details.

Explanation
A request to gather diagnostics information about the JVMSERVER has been made which CICS could not complete because the preparation normally performed when the JVM server was enabled did not succeed.

System action
CICS can not build the requested archive file until the JVM profile configuration has been changed, and the JVM server has been re-enabled.
Examine the JVM server log for details of the failure to enable diagnostics gathering. Correct any configuration problems, and re-start the JVM server.

**Module:** DFHSJJS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. jvmserver

**Destination**

CSMT

**DFHSJ0934** date time applid userid Could not gather diagnostics information for JVM server jvmserver because the JVM server has not been enabled since the region was re-started.

**Explanation**

A request to gather diagnostics information about the JVMSERVER has been made which CICS could not complete because the preparation normally performed when the JVM server was enabled did not succeed. Due to the WORK_DIR being too long.

**System action**

CICS can not build the requested archive file until the JVM profile configuration has been changed, and the JVM server has been re-enabled.

**User response**

Examine the JVM server log for details of the failure to enable diagnostics gathering. Correct any configuration problems, and re-start the JVM server.

**Module:** DFHSJJS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. jvmserver

**DFHSJ0936** date time applid userid Diagnostics information for JVM server jvmserver has been gathered into zFS file tarfilepath

**Explanation**

A request to gather diagnostics information about the JVMSERVER has been made which CICS Completed successfully.
**System action**
The diagnostics tar file is now available to use.

**User response**
Examine the contents of the diagnostics tar file to make sure no confidential information is present, then send it to IBM Service.

**Module:** DFHSJJS

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. jvmserver
6. tarfilepath

**Destination**
CSMT

**Explanation**
A request to gather diagnostics information about the JVM SERVER has been made which CICS failed to process successfully.

**System action**
A file containing trace information is available to provide more detail of the flow of execution leading up to, and about the error.

**User response**
Examine the contents of the diagnostics trace file to see what went wrong, or contact IBM Service.

**Module:** DFHSJJS

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid

**Destination**
CSMT

**Explanation**
An attempt to attach a thread to JVM SERVER jvmserver has failed. Return code: return_code.

**User response**
An attempt to attach a JNI thread to the JVM belonging to the JVM SERVER jvmserver has failed with the JNI return code return_code.
System action

CICS was unable to run the specified class in the JVMSERVER and returns an error to the calling module.

User response

Contact IBM Support.

Module:
DFHSJSC

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. jvmserver
6. return_code

Destination

CSMT and Console

DFHSJ1002 date time applid userid The class classname that was specified to be run in JVMSERVER jvmserver cannot be found.

Explanation

The class classname that was specified to run in JVM server jvmserver cannot be found. An exception is output to the standard error stream.

System action

CICS was unable to run the specified class in the JVM server and returns an error to the calling module.

User response

Perform the following checks:

- Ensure the PROGRAM resource contains the fully-qualified class name and points to the correct JVM server.
- If the class is in an OSGi bundle, ensure that the OSGi bundle is in the STARTING or ACTIVE state. The CICS-MainClass manifest entry must specify the class.
- If an application is using the linkable interface, ensure the directory or archive containing the class has been added to the class path. The JVM profile for the JVM server must include the CLASSPATH_SUFFIX option.
- Use the information in the standard error stream to determine the cause of the problem.

Module:
DFHSJSC

XMEOUT parameters/Message inserts

1. applid
2. method_name
3. signature
4. classname
5. jvmserver

Destination

CSMT

DFHSJ1003 applid An attempt to locate the method_name method with signature signature in class classname has failed, for JVMSERVER jvmserver.

Explanation

An attempt to locate the method_name method with signature signature within the class class name has failed for JVMSERVER jvmserver. An exception is output to the standard error stream.

System action

CICS was unable to run the specified method of the given class in the JVMSERVER and returns an error to the calling module.

User response

Use the exception output from the standard error stream to determine the cause of the problem.

Module:
DFHSJSC

XMEOUT parameters/Message inserts

1. applid
2. method_name
3. signature
4. classname
5. jvmserver
Destination
Console

DFHSJ1004 date time applid userid An exception has been thrown by the method_name method of class classname running in JVMSERVER jvmserver. Exception 'exception'.

Explanation
An exception has been thrown by the method_name of the class classname, which was running in the JVM belonging to the JVMSERVER resource jvmserver.

System action
CICS writes the exception to the standard error stream and returns an error to the calling module.

User response
Examine the exception that was thrown by the JVM to determine the cause of the problem. The exception is in the standard error stream.

Module:
DFHSJSC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. method_name
6. classname
7. jvmserver
8. exception

Destination
CSMT

DFHSJ1005 date time applid userid An attempt to detach a thread from JVMSERVER jvmserver has failed. Return code: return_code.

Explanation
An attempt to detach a JNI thread from the JVM belonging to the JVMSERVER jvmserver has failed with the JNI return code return_code.

System action
CICS returns an error to the calling module.

User response
Contact IBM Support.

Module:
DFHSJSC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. jvmserver
6. return_code

Destination
CSMT and Console

DFHSJ1006 E date time applid userid An attempt to attach to JVMSERVER jvmserver has failed because {the channel name used is invalid | the JVMSERVER name is missing | the JVMSERVER name is too long | the userclass name is missing | the user channel is invalid | the XML in the PIPELINE configuration file is invalid | the JVMSERVER does not exist | the JVMSERVER is not enabled | the wrapper class cannot be found | the transaction abended | the attach of the thread failed | the wrapper method was not found | the detach of the thread failed | the JVM threw an exception | the DFH-HANDLERPLIST container is missing | the thread was forced to terminate abnormally | the thread could not be created | the JVMSERVER failed to start the OSGi service | the Liberty link request listener is not available | of an error invoking the Liberty class | the Liberty link request has timed out}.

Explanation
An attempt to attach to a JVMSERVER failed.
System action

CICS is unable to attach to the JVMSERVER and returns an error to the calling module.

User response

Consider the error code. If the message indicates a configuration error, make the appropriate correction.

If the error indicates a failure to access the 'wrapper' class, this might indicate that an OSGi-enabled JVM server has been used by mistake. Add JAVA_PIPELINE=YES to the JVM profile of the JVM server.

If the message indicates a failure, review any other messages issued by CICS for further information. If no other error messages were issued, locate the stderr destination of the JVM for further details.

If attaching the JVMSERVER using DFHSJJI, check that the parameters passed to DFHSJJI are valid and that the target JVMSERVER is enabled. If an application running in the JVMSERVER failed, locate the diagnostics for that problem.

If the problem persists, you might need to use the trace facility to determine the cause of the problem.

Module:
DFHSJJI, DFHAPLJ1

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. jvmserver
6. Value chosen from the following options:
   1=the channel name used is invalid,
   2=the JVMSERVER name is missing,
   3=the JVMSERVER name is too long,
   4=the userclass name is missing,
   5=the user channel is invalid,
   6=the XML in the PIPELINE configuration file is invalid,
   51=the JVMSERVER does not exist,
   52=the JVMSERVER is not enabled,
   53=the wrapper class cannot be found,
   54=the transaction abended,
   55=the attach of the thread failed,
   56=the wrapper method was not found,
   57=the detach of the thread failed,
   58=the JVM threw an exception,
   59=the DFH-HANDLERPLIST container is missing,
   60=the thread was forced to terminate abnormally,
   61=the thread could not be created,
   62=the JVMSERVER failed to start the OSGi service,
   63=the Liberty link request listener is not available,
   64=of an error invoking the Liberty class,
   65=the Liberty link request has timed out

Destination

CSMT and Console

DFHSJ1007 W  date time applid tranid trannum JVMSERVER jvmserver is being disabled and restarted by CICS because it is in an inconsistent state.

Explanation

JVMSERVER jvmserver is being restarted by CICS because it is in an inconsistent state. CICS can disable the JVMSERVER resource for different reasons. For example, a 0Cx abend occurs in user JNI code, a 0Cx abend occurs because of an OutOfMemoryError, a 0Cx abend occurs in a JVM thread, or a JVM thread is terminated by a task purge.

System action

CICS has detected that an abend has left the JVM in an inconsistent state. CICS disables the JVMSERVER resource with the PHASEOUT option to allow existing work in the JVM to complete where possible and prevent new work from using the JVM. If this fails to disable the JVMSERVER within the interval specified by the PURGE_ESCALATION_TIMEOUT JVM server option, CICS escalates to the next disable action, until the JVMSERVER is disabled. After the JVMSERVER is successfully disabled, message DFHSJ1008 is issued. CICS attempts to re-enable the resource to create a new JVM.

User response

Review the JVM output and the CICS logs to determine the cause of the abend. For an abend in user JNI code, correct the JNI source code. For an OutOfMemoryError, the JVM might be configured with...
a maximum heap or stack size that is too small or the error might occur when a Java program has a memory leak. Use standard JVM monitoring tools to help determine the cause. For an 0Cx in a JVM thread, contact IBM Support.

**Module:**
DFHSJTH

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `trannum`
6. `jvmserver`

**Destination**
CSMT and Console

**DFHSJ1008 W** `date time applid tranid trannum JVMSERVER jvmserver is being disabled and restarted by CICS because a task running in a JVMSERVER has triggered a runaway condition, leaving the JVMSERVER in an inconsistent state.`

**Explanation**
JVMSERVER `jvmserver` is being restarted by CICS because it is in an inconsistent state. A task runaway condition has occurred, leaving the JVM in an inconsistent state.

**System action**
CICS disables the JVMSERVER resource with the PHASEOUT option to allow existing work in the JVM to complete where possible and prevent new work from using the JVM. After the JVMSERVER is successfully disabled, message DFHSJ1008 is issued. CICS attempts to re-enable the resource to create a new JVM.

**User response**
Determine why the task triggered runaway processing.

**Module:**
DFHSJTH

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `trannum`
6. `jvmserver`

**Destination**
CSMT

**DFHSJ1010 W** `date time applid tranid trannum JVMSERVER jvmserver is being disabled and restarted by CICS because tranid task trannum running in the JVMSERVER has triggered a runaway condition, leaving the JVMSERVER in an inconsistent state.`

**Explanation**
JVMSERVER `jvmserver` is being restarted by CICS because a task running in a JVMSERVER has triggered a runaway condition, leaving the JVM in an inconsistent state.

**System action**
CICS disables the JVMSERVER resource with the PHASEOUT option to allow existing work in the JVM to complete where possible and prevent new work from using the JVM. After the JVMSERVER is successfully disabled, message DFHSJ1010 is issued. CICS attempts to re-enable the resource to create a new JVM.

**User response**
Determine why the task triggered runaway processing.

**Module:**
DFHSJTH

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `trannum`
6. `jvmserver`

**Destination**
CSMT
Explanation

JVMSERVER jvmserver is being restarted by CICS because it is in an inconsistent state. A task runaway condition has occurred, leaving the JVM in an inconsistent state.

System action

CICS disables the JVMSERVER resource with the PHASEOUT option to allow existing work in the JVM to complete where possible and prevent new work from using the JVM. After the JVMSERVER is successfully disabled, message DFHSJ1008 is issued. CICS attempts to re-enable the resource to create a new JVM.

User response

Determine why the transaction tranid task trannum triggered runaway processing.

Module:

DFHSJJS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. jvmserver
5. tranid
6. trannum

Destination

CSMT and Console

DFHSJ1100

date time applid An attempt to install the bundletype bundle with symbolic name symbolicname, version version in JVM server jvmserver has failed with reason code {ERROR_CODE_UNRECOGNIZED | JVMSERVER_NOT_FOUND | EXCEPTION_FROM_JVMSERVER | JVMSERVER_NOT_OSGI_ENABLED | INTERNAL_ERROR | DUPLICATE_RESOURCE_FOUND | JVMSERVER_NOT_LIBERTY_SERVER | JVMSERVER_IS_LIBERTY_SERVER | }.

Explanation

An attempt to install the OSGi, WAR, EBA or EAR bundle with symbolic name symbolicname at version version in the JVM server jvmserver has failed. This error can occur when installing a CICS BUNDLE resource that contains one or more OSGi, WAR, EBA or EAR bundles. The reason code provides further information about why the bundle installation failed. The version will display as 1.0.0 for WAR, EBA and EAR bundles.

ERROR_CODE_UNRECOGNISED

An unexpected error occurred.

JVMSERVER_NOT_FOUND

The target JVM server is not available.

EXCEPTION_FROM_JVMSERVER

An exception has been thrown in the JVM server when installing the bundle.

JVMSERVER_NOT_OSGI_ENABLED

The JVM server is not configured to support OSGi.

INTERNAL_ERROR

An internal system error occurred.

DUPLICATE_RESOURCE_FOUND

A resource with the same name and version is already installed in the JVM server.

JVMSERVER_NOT_LIBERTY_SERVER

An attempt has been made to install a WAR bundle into a JVM server which is not running the Liberty Profile.

JVMSERVER_IS_LIBERTY_SERVER

An attempt has been made to install an OSGi bundle into a JVM server which is running the Liberty Profile.

System action

CICS was unable to install the OSGi, WAR, EBA or EAR bundle. The bundle part in the CICS BUNDLE resource is placed in an UNUSABLE state, and the CICS BUNDLE resource is disabled.

User response

Examine the reason code to determine why the OSGi, WAR, EBA or EAR bundle installation failed. If required, perform one of the following actions:

ERROR_CODE_UNRECOGNIZED

Contact IBM Support.
JVMSERVER_NOT_FOUND
Check that the target JVM server is correct. If not, specify the correct JVM server using the CICS Explorer SDK. If the correct JVM server is specified, ensure the specified JVMSERVER resource is installed and enabled.

EXCEPTION_FROM_JVMSERVER
Check for other DFHSJ messages and the JVM server diagnostic information on zFS to determine the cause of the exception.

JVMSERVER_NOT_OSGI_ENABLED
Check that the JVM server is correctly configured in the JVM profile that is specified in the JVMSERVER resource. The presence of JVM profile options such as JAVA_PIPELINE, STS, and CLASSPATH_SUFFIX prevent an OSGi framework from loading.

INTERNAL_ERROR
Contact IBM Support

DUPLICATE_RESOURCE_FOUND
Ensure that the resource has the correct symbolic name and version. Check that the resource is not already installed in a different BUNDLE resource.

JVMSERVER_NOT_LIBERTY_SERVER
Ensure that the JVM server is running the Liberty Profile.

JVMSERVER_IS_LIBERTY_SERVER
Ensure that the JVM server is not running the Liberty Profile.

When you have corrected the problem, discard and reinstall the CICS BUNDLE resource.

Module:
DFHSJRL, DFHSJBD

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. bundletype
5. symbolicname
6. version
7. jvmserver
8. Value chosen from the following options:
   1=ERROR_CODE_UNRECOGNIZED,
   2=JVMSERVER_NOT_FOUND,
   3=EXCEPTION_FROM_JVMSERVER,
   4=JVMSERVER_NOT_OSGI_ENABLED,
   5=INTERNAL_ERROR,
   6=DUPLICATE_RESOURCE_FOUND,
   7=JVMSERVER_NOT_LIBERTY_SERVER,
   8=JVMSERVER_IS_LIBERTY_SERVER

Destination
CSMT

DFHSJ1101 date time applid An attempt to enable the bundletype bundle with symbolic name symbolicname, version version in JVM server jvmserver has failed with reason code {ERROR_CODE_UNRECOGNIZED | EXCEPTION_FROM_JVMSERVER}.

Explanation
An attempt to enable the OSGi or WAR bundle with symbolic name symbolicname at version version in JVM server jvmserver has failed. This error can occur when either installing or enabling a CICS BUNDLE resource that contains one or more OSGi or WAR bundles. The error on installation can occur when the CICS BUNDLE is to be installed as enabled. The reason code provides further information about why CICS failed to enable the bundle.

ERROR_CODE_UNRECOGNIZED
An unexpected error occurred.

EXCEPTION_FROM_JVMSERVER
An exception has been thrown in the JVM server when enabling the bundle. The activation of the OSGi bundle in the OSGi framework has failed, or the WAR bundle has failed to be enabled.

System action
CICS failed to enable the OSGi or WAR bundle. The bundle part in the CICS BUNDLE resource is placed in an a DISABLED state, and the CICS BUNDLE resource is disabled.

User response
Examine the reason code to determine why the enable of the bundle failed. If required, perform one of the following actions:
**User response**

Examine the reason code to determine why the disable of the bundle failed. If required, perform one of the following actions:

**ERROR_CODE_UNRECOGNIZED**

Contact IBM Support.

**EXCEPTION_FROM_JVMSERVER**

Check for other DFHSJ messages and the JVM server diagnostic information on zFS to determine the cause of the exception.

When you have corrected the problem, disable the CICS BUNDLE resource. CICS issues a request to disable the OSGi or WAR bundle and any other bundle parts that are not disabled.

**Module:**
DFHSJRL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. bundletype
5. symbolicname
6. version
7. jvmserver
8. Value chosen from the following options:
   - 1=ERROR_CODE_UNRECOGNIZED,
   - 2=EXCEPTION_FROM_JVMSERVER

**Destination**

CSMT

DFHSJ1102

*date time applid An attempt to disable the bundletype bundle with symbolic name symbolicname, version version in JVM server jvmserver has failed with reason code {ERROR_CODE_UNRECOGNIZED / EXCEPTION_FROM_JVMSERVER}.*

**Explanation**

CICS failed to disable the OSGi or WAR bundle with symbolic name symbolicname at version version that is installed in the JVM server jvmserver.

**System action**

The bundle part and the CICS BUNDLE resource remain in their previous state.

---

**User response**

Examine the reason code to determine why the disable of the bundle failed. If required, perform one of the following actions:

**ERROR_CODE_UNRECOGNIZED**

Contact IBM Support.

**EXCEPTION_FROM_JVMSERVER**

Check for other DFHSJ messages and the JVM server diagnostic information on zFS to determine the cause of the exception.

When you have corrected the problem, disable the CICS BUNDLE resource. CICS issues a request to disable the OSGi or WAR bundle and any other bundle parts that are not disabled.

**Module:**
DFHSJRL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. bundletype
5. symbolicname
6. version
7. jvmserver
8. Value chosen from the following options:
   - 1=ERROR_CODE_UNRECOGNIZED,
   - 2=EXCEPTION_FROM_JVMSERVER

**Destination**

CSMT

DFHSJ1104I W

*date time applid The bundletype bundle with symbolic name symbolicname, version version has not been {installed / enabled} because the JVM server jvmserver is not enabled.*

**Explanation**

The OSGi or WAR bundle with symbolic name symbolicname at version version cannot be installed or enabled because the JVM server jvmserver is not enabled.
**System action**

CICS will install and set the OSGi or WAR bundle to the appropriate status as soon as the JVM server is enabled. The bundle part in the CICS BUNDLE resource is placed in a DISABLED state, and the CICS BUNDLE resource is disabled.

**User response**

When you have corrected the problem, discard and reinstall the CICS BUNDLE resource.

**Module:** DFHSJRL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. bundletype
5. bundlepartname
6. version
7. jvmserver

**Destination**

CSMT

**DFHSJ1106**

```plaintext
date time applid bundletype BUNDLE bundlepartname version version from BUNDLE bundlename has been discarded.
```

**Explanation**

The discard of the OSGi bundle resource bundlepartname version version from the CICS BUNDLE bundlename has completed.

**System action**

Processing continues.

**User response**

None.

**Module:** DFHSJRL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. bundletype
5. bundlepartname
6. version
7. bundlename

**Destination**

CSMT

**DFHSJ1105**

```plaintext
date time applid bundletype BUNDLE bundlepartname version version from BUNDLE bundlename has been installed as {Enabled | Disabled}.
```

**Explanation**

The installation of the OSGi or WAR bundle resource bundlepartname version version from the CICS BUNDLE bundlename has completed.

**System action**

Processing continues.

**User response**

None.

**Module:** DFHSJRL
**Explanation**

The OSGi or WAR bundle resource `symbolicname` version `version` has been {Enabled | Disabled}.

**System action**

Processing continues.

**User response**

None.

**Module:**

DFHSJRL, DFHSJJS

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `bundletype`
5. `symbolicname`
6. `version`
7. Value chosen from the following options:

   1. Enabled
   2. Disabled

**Destination**

CSMT

---

**Explanation**

An attempt to install the `bundletype` bundle with symbolic name `symbolicname` referenced by bundle part `bundlepartname` of BUNDLE `bundlename` into JVMSERVER `jvmserver` has failed with reason code `{INVALID_VERSION_RANGE}`.

**System action**

CICS was unable to install the OSGi bundle into the OSGi framework. The bundle part `bundlepartname` is placed in an UNUSABLE state, and the CICS BUNDLE resource `bundlename` is disabled.

**User response**

Correct the value specified on the versionRange= attribute in the OSGi Bundle Project Reference `bundlepartname` then discard and reinstall the CICS BUNDLE resource `bundlename`.

**Module:**

DFHSJRL

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `bundletype`
5. `symbolicname`
6. `bundlepartname`
7. `bundlename`
8. `jvmserver`
9. Value chosen from the following options:

   1. `INVALID_VERSION_RANGE`

**Destination**

CSMT

---

**Explanation**

The install of the OSGi bundle with symbolic name `symbolicname` into JVMSERVER `jvmserver` has failed because the OSGi Bundle Project Reference `bundlepartname` in CICS BUNDLE `bundlename` specifies an invalid versionRange= attribute. The reason code provides further information about why the bundle installation failed.
Explanation
An attempt to determine the highest semantic version of the OSGi bundle with a symbolic name of symbolicname which is referenced by bundle part bundlename of CICS BUNDLE resource bundlename has failed. This error can occur when either installing a CICS BUNDLE resource that contains one or more OSGi bundles or after issuing a SET BUNDLE PHASEIN command. The reason code provides further information about why the bundle installation failed.

JVMSERVER_NOT_FOUND
The target JVMSERVER is not available.

JVMSERVER_NOT_ENABLED
The target JVMSERVER is not enabled.

NO_BUNDLE_IN_VERSION_RANGE
No version of the OSGi bundle with a symbolic name of symbolicname found in the version range defined by the versionRange= attribute of its associated OSGi Bundle Project Reference.

EXCEPTION_FROM_JVMSERVER
The JVM has thrown an exception while reading a JAR file to determine the highest semantic version of the OSGi bundle with a symbolic name of symbolicname.

INTERNAL_ERROR
An internal system error occurred.

System action
CICS was unable to install the OSGi bundle into the OSGi framework. The OSGi Bundle Project Reference bundlepartname of the CICS BUNDLE resource bundlename is placed in an UNUSABLE state, and the CICS BUNDLE resource is disabled.

User response
Examine the reason code to determine why the OSGi bundle installation failed. If required, perform one of the following actions:

JVMSERVER_NOT_FOUND
Check that the target JVM server jvmserver specified on the jvmserver= attribute in the OSGi Bundle Project Reference bundlepartname in CICS BUNDLE bundlename is correct. If not, specify the correct JVM server using the CICS Explorer SDK.

If the correct JVM server is specified, ensure it is installed and enabled.

JVMSERVER_NOT_ENABLED
Enable the target JVMSERVER jvmserver.

NO_BUNDLE_IN_VERSION_RANGE
Check that the version range specified on the versionRange= attribute in the OSGi Bundle Project Reference bundlepartname in CICS BUNDLE bundlename is correct and/or the jar for the OSGi bundle has been exported to the same directory as its associated .osgibundle bundle part.

EXCEPTION_FROM_JVMSERVER
Check the system log for other DFHSJ messages and the JVM server diagnostic information on zFS to determine the cause of the exception.

INTERNAL_ERROR
Contact IBM Support

When you have corrected the problem, discard and reinstall the CICS BUNDLE resource bundlename.

Module:
DFHSJRL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. bundletype
5. symbolicname
6. bundlepartname
7. bundlename
8. jvmserver
9. Value chosen from the following options:
   1=JVMSERVER_NOT_FOUND,
   2=JVMSERVER_NOT_ENABLED,
   3=NO_BUNDLE_IN_VERSION_RANGE,
   4=EXCEPTION_FROM_JVMSERVER,
   5=INTERNAL_ERROR

Destination
CSMT

DFHSJ1110 date time applid The phasein of a new version of the bundletype bundle with symbolic name symbolicname has completed
successfully. Version oldversion has been replaced by version newversion.

Explanation
The OSGi bundle symbolicname version oldversion has been successfully replaced by the new version newversion in the OSGi framework and will be used for all new service invocations.

System action
Processing continues.

User response
None.

Module: DFHSJRL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. tranid
6. program_name
7. bundlename
8. bundlepartname
9. jvmserver

Destination
CSMT

DFHSJ1200 date time applid BUNDLE bundlename has successfully installed JVMSERVER jvmserver {in a Disabled state. Enabling process initiated | in a Disabled state}.

Explanation
The CICS bundle bundlename has successfully installed JVMSERVER jvmserver in a disabled state.

System action
If the definition specifies the JVMSERVER is to be enabled, processing continues to attempt to enable the JVMSERVER.

User response
None.

Module: DFHSJRL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. tranid
6. program_name
7. bundlename
8. bundlepartname
9. jvmserver

DFHSJ1111 date time applid userid tranid program_name BUNDLE bundlename part name bundlepartname is now in an unusable state following the discard of JVMSERVER jvmserver

Explanation
JVM server was discarded which left the BUNDLE bundlename in an unusable state.

System action
bundlename is now in an unusable state.

User response
For the bundle to be used again the JVMSERVER jvmserver needs to be re-installed. Next, bundlename needs to be disabled and discarded and re-installed.

Module: DFHSJRL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. tranid
6. program_name
7. bundlename
8. bundlepartname
9. jvmserver

1=in a Disabled state. Enabling process initiated, 2=in a Disabled state
**DFHSJ1201**

**Explanation**
The CICS bundle *bundlename* has failed to install {JVMSERVER | NODEJSAPP} name because (the definition is invalid / of an installation failure / an internal error occurred).

**System action**
The BUNDLE resource is disabled and the resource is not created.

**User response**
Investigate and correct the cause of the failure. Check previous messages for more information and ensure a resource with the same name and type does not already exist. Discard and reinstall the BUNDLE resource.

**Module:**
DFHSJRL, DFHSJNR

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. bundlename
5. Value chosen from the following options:
   1=JVMSERVER,
   2=NODEJSAPP
6. name
7. Value chosen from the following options:
   1=the definition is invalid,
   2=of an installation failure,
   3=an internal error occurred

**DFHSJ1203**

**Explanation**
JVMSERVER /Jvmserver is defined in a BUNDLE resource. PURGE/FORCEPURGE/KILL can only be issued when the JVMSERVER is being disabled.

**System action**
The JVMSERVER can not be disabled.

**User response**
Disable the BUNDLE. If this action fails to disable the JVMSERVER then consider issuing a JVMSERVER PURGE request.
**Explanation**

While installing an application in a Liberty JVM server, CICS found a method annotated with @CICSProgram. However, it specified the same program name as another linkable service that was previously found.

**System action**

The linkable service is not registered, but install processing for the web application continues.

**User response**

Change the program name defined on the @CICSProgram annotation in class class so that it does not clash.
Explanation
An attempt to invoke a method in an user application in a Liberty JVM server failed. The reason code provides further information about why the method could not be invoked.

USER_CLASS_NOT_FOUND
The target class class could not be found or could not be loaded.

PROXY_CLASS_NOT_FOUND
The proxy session bean class could not be found.

COULD_NOT_INSTANTIATE_CLASS
The target class class could not be instantiated.

NO_SERVICE_MATCHING_PROGRAM
No linkable service has been found for program program.

BADSERVICE_NAME
A linkable service was found for program, but the class or method did not match the service name in the program resource, or the service name was invalid.

System action
CICS was unable to LINK to the Liberty application.

User response
Examine the reason code and the JVM server standard error log to determine why the application could not be invoked. Check the target method and class in the Liberty application, and ensure the @CICSProgram annotation has been used correctly

Module:
com.ibm.cics.wlp.link.impl.ProPOJOLinkableTarget

XMEOUT parameters/Message inserts
1. date
time
applid
4. Value chosen from the following options:
   1=USER_CLASS_NOT_FOUND,
   2=PROXY_CLASS_NOT_FOUND,
   3=COULD_NOT_INSTANTIATE_CLASS,
   4=NO_SERVICE_MATCHING_PROGRAM,
   5=BAD_SERVICE_NAME
   6=JVMSERVER
   7.class
   8.method

Destination
CSMT

DFHSJ1207 date time applid No linkable service was found for program name program in JVMSERVER jvmserver.

Explanation
An attempt was made to EXEC CICS LINK to a program in a Liberty JVM server. However, no linkable service was defined for this program name.

System action
The Liberty application is not invoked.

User response
Check that the Liberty application uses the @CICSProgram annotation with program name program. Check the application is installed and started.

Module:
com.ibm.cics.wlp.link.mdb.CICSMessageListenerImpl

XMEOUT parameters/Message inserts
1. date
time
applid
program
jvmserver

Destination
CSMT

DFHSJ1208 date time applid An existing definition has been installed for PROGRAM program. It is not suitable for use with a linkable service because {it does not have JVM(YES). | it does not specify the correct JVMSERVER. | it does not specify the correct JVMCLASS. | it could not be dynamically replaced.} The expected value is expected, the value found is found.

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Explanation

While installing an application in a Liberty JVM server, CICS found an existing PROGRAM definition installed for program. This existing definition was found to be incompatible with the linkable service, either because it isn’t defined for Java, for the correct JVMSERVER, or for the correct JVMCLASS, or it could not be dynamically replaced. CICS will only dynamically replace a program if it was previously autoinstalled and has not been loaded.

System action

The existing PROGRAM definition remains installed, but the linkable service will not be usable.

User response

Either change the program name defined on the @CICSProgram annotation so that it does not clash, or correct the PROGRAM definition.

Module:
com.ibm.cics.wlp.link.impl.ProgramGenerator

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. program
5. Value chosen from the following options:
   1=it does not have JVM(YES),
   2=it does not specify the correct JVMSERVER,,
   3=it does not specify the correct JVMCLASS,,
   4=it could not be dynamically replaced.
6. expected
7. found

Destination

CSMT

DFHSJ1300  date time applid NODEJSAPP nodejsapp has been created.

Explanation

A NODEJSAPP has been created and is now in the ENABLING state. It is not available for use until it has reached ENABLED state.

System action

Processing continues. The NODEJSAPP will complete installationshortly.

User response

None.

Module:
DFHSJNA

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. nodejsapp

Destination
CSMT

DFHSJ1301  date time applid userid
NODEJSAPP nodejsapp was not created because {an internal error occurred. | it is a duplicate of one that is already installed. | the start-script cannot be found. | the profile cannot be found. | CICS does not have read access to the start-script. | CICS does not have access to the profile. | the start-script file name is too long. | the profile file name is too long. | the resource name is invalid.}

Explanation
NODEJSAPP nodejsapp was not created. This error can occur for various reasons. Details are given in the message.

System action
The NODEJSAPP is not created.

User response
Correct the reported problem and try again.

Module:
DFHSJNA

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. nodejsapp
6. Value chosen from the following options:
   1=an internal error occurred.,
   2=it is a duplicate of one that is already installed.,
   3=the start-script cannot be found.,
   4=the profile cannot be found.,
   5=CICS does not have read access to the start-script.,
   6=CICS does not have access to the profile.,
   7=the start-script file name is too long.,
   8=the profile file name is too long.,
   9=the resource name is invalid.

Destination
CSMT

DFHSJ1302  date time applid userid
NODEJSAPP nodejsapp was not discarded because {an internal error occurred. | it was not found.}

Explanation
NODEJSAPP nodejsapp was not discarded. This error can occur for various reasons. Details are given in the message.

System action
The NODEJSAPP is not discarded.

User response
Correct the reported problem and try again.

Module:
DFHSJNA

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. nodejsapp
6. Value chosen from the following options:
   1=an internal error occurred.,
   2=it was not found.

Destination
CSMT

DFHSJ1303  date time applid userid
NODEJSAPP nodejsapp has been {enabled | disabled | discarded}.

Explanation
The state of a NODEJSAPP resource has been changed. This may be caused by an operator action such as enabling or disabling a Bundle, or it may be
caused by an application activity such as a Node.js application running to completion and ending.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHSJNA

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. nodejsapp
6. Value chosen from the following options:
   1. enabled,
   2. disabled,
   3. discarded

**Destination**
CSMT

DFHSJ1304 E  date time applid userid
NODEJSAPP nodejsapp has ended abnormally with return code retcode.

**Explanation**
The processing for a NODEJSAPP resource has ended abnormally. This could be caused by the application requesting a premature exit, or by an error detected by the Node.js runtime environment.

**System action**
The NODEJSAPP is placed in disabled state; the Node.js process may have captured additional diagnostics.

**User response**
Review the NODEJSAPP resource's STDERR destination for any further diagnostic information generated by the Node.js application and runtime. The retcode can be set by either the application or the Node.js runtime. If the application has set the code (using a process.exit() system call) then the meaning is defined by the application. A set of response codes are defined for use by the Node.js runtime; refer to the Node.js product documentation for further details, the following are some of the more common Exit Codes:

- 1. Uncaught Fatal Exception.
- 3. Internal JavaScript Parse Error.
- 5. Fatal Error.
- 6. Non-function Internal Exception Handler.
- 7. Internal Exception Handler Run-Time Failure.
- 10. Internal JavaScript Run-Time Failure.
- 12. Invalid Debug Argument.
- >128. Signal Exits.

**Module:**
DFHSJNA

DFHSJ1305 E  date time applid userid tranid
An attempt to send Unix signal signal to process identifier PID has failed with error code {EINVAL | EMVSSAF2ERR | EPERM}.

**Explanation**
CICS has attempted to send a USS signal to a process, and has received an error response.

**System action**
Processing continues.

**User response**
A code of EMVSSAF2ERR or EPERM implies that the CICS task did not have permission to issue the signal. The EINVAL code implies that the signal was invalid.

**Module:**
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DFHSJRT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. tranid
6. signal
7. PID
8. Value chosen from the following options:
   1=EINVAL,
   2=EMVSSAF2ERR,
   3=EPERM

Destination
CSMT

DFHSJ1306 E  date time applid userid tranid
An attempt to load LE RUNOPTS module name has failed because {it cannot be loaded | the contents are too long | of an internal error}.

Explanation
CICS cannot load or process the requested LE RUNOPTS module. The file must exist on the DFHRPL concatenation, be loadable, and have contents of a sufficiently short length. CICS appends additional LE configuration parameters to the contents, the combined total of which must not exceed 255 characters.

System action
Processing continues.

User response
Ensure that the requested file is available as part of the DFHRPL concatenation, and that the contents do not exceed the maximum length.

Module:
DFHSJRT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. tranid
6. name

Destination
CSMT

DFHSJ1307 I  date time applid userid tranid
NODEJSAPP name has not yet terminated, a SIGKILL signal will be issued.

Explanation
CICS has attempted to stop a NODEJSAPP process by sending it a SIGTERM signal and then waiting for it to end. It has not ended, and so a SIGKILL signal will be issued for the process; this will cause the NODEJSAPP process to end immediately in an uncontrolled fashion.

System action
CICS issues the SIGKILL signal.

User response
Consider implementing a signal handler in the Node.js application. If the application implements a suitable SIGTERM signal handler then it can respond to that signal by terminating the application processing in an orderly fashion. This might involve closing any open resources, ending any server processes, and releasing any persistent sockets.

Module:
DFHSJRT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. tranid
6. name

Destination
CSMT
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid
5. tranid
6. name
7. Value chosen from the following options:
   1=of a memory allocation failure,
   2=a thread could not be started,
   3=a thread could not be joined,
   4=of a profile parsing error,
   5=of an unidentified error,
   6=an attempt to change the working directory failed,
   7=CICS does not have write authority to the working directory,
   8=either the working directory is full, or CICS can't write to it,
   9=an attempt to redirect an IO stream failed,
   10=NODE_HOME in the profile is not defined or is empty,
   11=NODE_HOME in the profile is invalid,
   12=the NODE_HOME/lib directory is invalid,
   13=the NODE_HOME/bin directory is invalid,
   14=LIB_PREFIX in the profile is invalid,
   15=LIB_SUFFIX in the profile is invalid,
   16=NODEJSAPP_DISABLE_TIMEOUT in the profile is invalid,
   17=NODEJSAPP_DISABLE_TIMEOUT in the profile is too small,
   18=NODEJSAPP_DISABLE_TIMEOUT in the profile is too big,
   19=there are too many command line options in the profile,
   20=STDERR cannot be redirected away from zFS,
   21=STDOUT cannot be redirected away from zFS,
   22=the WORKDIR value in the profile is too long.

Explanation

The processing for a NODEJSAPP resource has ended abnormally. If the NODEJSAPP process is terminated in this fashion then resources (including shared memory allocations) can remain allocated and unrecoverable.

System action

The NODEJSAPP resource is placed in disabled state; the Node.js process may have captured additional diagnostics.

User response

Review the SYSPRINT and STDERR destinations for any further diagnostic information generated by the Node.js application and runtime.

Module:
DFHSJNA

Destination
CSMT
Invoke request from NODEJSAPP nodejsapp for URIMAP name has failed because the URIMAP {is disabled / does not specify USAGE(PIPELINE)}.

**Explanation**
An attempt to invoke a WEBSERVICE from a NODEJSAPP has failed due to a configuration error.

**System action**
An error code is returned to the Node.js application.

**User response**
Investigate the cause of the configuration problem.

**Module:** DFHSJNA

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. tranid
6. nodejsapp
7. name
8. Value chosen from the following options:
   - 1=is disabled,
   - 2=does not specify USAGE(PIPELINE)

**Destination**
CSMT

DFHSJ1310 W  date time applid userid tranid An invoke request from NODEJSAPP nodejsapp for URIMAP uriname and TRANID tranid has failed because the TRANID {cannot be found}.

**Explanation**
An attempt to invoke a WEBSERVICE from a NODEJSAPP has failed due to a configuration error.

**System action**
An error code is returned to the Node.js application.

**User response**
Investigate the cause of the configuration problem.

**Module:** DFHSJNA

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. tranid
6. nodejsapp
7. uri

**Explanation**
An attempt to invoke a WEBSERVICE from a NODEJSAPP has failed due to a configuration error.

**System action**
An error code is returned to the Node.js application.

**User response**
Investigate the cause of the configuration problem.

**Module:** DFHSJNA

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. tranid
6. nodejsapp
7. uri
**Destination**
CSMT

**DFHSJ1312 E**

*date time applid userid*

**NODEJSAPP nodejsapp** has ended abnormally without setting a return code.

**Explanation**
The processing for a NODEJSAPP resource has ended abnormally. This could be caused by the application requesting a premature exit, or by an error detected by the Node.js runtime environment. No return code has been set (or the return code was set to zero).

**System action**
The NODEJSAPP is placed in disabled state; the Node.js process may have captured additional diagnostics.

**User response**
Review the NODEJSAPP resource's STDERR destination for any further diagnostic information generated by the Node.js application and runtime.

**Module:**
DFHSJNA

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *userid*
5. *nodejsapp*

**Destination**
CSMT

**DFHSJ1313 E**

*date time applid userid tranid*

**NODEJSAPP name** was disabled because an unsupported version of IBM SDK for Node.js - z/OS was used. CICS requires version **requiredVersion** but found version **foundVersion**.

**Explanation**
A NODEJSAPP has been disabled because a version of IBM SDK for Node.js - z/OS that is not supported by CICS was found.

**System action**
The NODEJSAPP resource is placed in disabled state; the Node.js process may have captured additional diagnostics.

**User response**
Correct NODE_HOME in the Node.js profile to specify a supported version of IBM SDK for Node.js - z/OS.

**Module:**
DFHSJNA

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *userid*
5. *tranid*
6. *name*
7. *requiredVersion*
8. *foundVersion*

**Destination**
CSMT

**DFHSJ1400 E**

*date time applid tranid*

**JVMserver** The Liberty angel process is unavailable.

**Explanation**
The JVM profile for the JVMSERVER resource **jvmserver** contains the "Liberty angel process required" Java property:

-Dcom.ibm.ws.zos.core.angelRequired=true

and the Liberty angel process check API is unable to find a running Liberty angel process on this LPAR.

This message is also issued when the operator responds 'N' to message **DFHSJ1404**.

**System action**
The JVMSERVER resource is disabled.

**User response**
Re-enable the JVMSERVER after checking the following:

- Ensure that the Liberty unnamed angel process has been started and is available on this LPAR.
An unnamed angel process is identified by the absence of a name at the end of message CWWKB0056I in the angel process started task CWWKB0056I INITIALIZATION COMPLETE FOR ANGEL.

- If the Liberty angel process is not required, the Java property in the JVM profile should be set to
  -Dcom.ibm.ws.zos.core.angelRequired=false

Module: DFHSJJS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. jvmserver

Destination
CSMT and Console

DFHSJ1401E date time applid JVMSERVER jvmserver The Liberty angel process angel_name is unavailable.

Explanation
The JVM profile for the JVMSERVER resource jvmserver contains the Java properties:

- Liberty angel process required
  -Dcom.ibm.ws.zos.core.angelRequired=true

- Liberty named angel process
  -Dcom.ibm.ws.zos.core.angelName=angel_name

and the Liberty angel process check API is unable to find the running Liberty named angel process angel_name on this LPAR.

This message is also issued when the operator responds 'N' to message DFHSJ1404.

System action
The JVMSERVER resource is disabled.

User response
Re-enable the JVMSERVER after checking the following:

- Ensure that the Liberty named angel process angel_name has been started and is available on this LPAR.

A named angel process is identified by message CWWKB0056I in the angel process started task CWWKB0056I INITIALIZATION COMPLETE FOR ANGEL angel_name.

- Ensure that the correct value for angel_name has been specified in JVM profile for the JVMSERVER resource jvmserver
  -Dcom.ibm.ws.zos.core.angelName=angel_name

- If the Liberty angel process is not required, the Java property in the JVM profile should be set to
  -Dcom.ibm.ws.zos.core.angelRequired=false

Module: DFHSJJS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. jvmserver
5. angel_name

Destination
CSMT and Console

DFHSJ1402W date time applid JVMSERVER jvmserver The Liberty angel process is unavailable - CICS will retry in 30 seconds.

Explanation
The JVM profile for the JVMSERVER resource jvmserver contains the "Liberty angel process required" Java property:

-Dcom.ibm.ws.zos.core.angelRequired=true

and the Liberty angel process check API is unable to find a running Liberty angel process angel_name on this LPAR.

System action
JVMSERVER resource initialization will wait for 30 seconds and the Liberty angel process check API will be re-invoked.

If the API is unable to find a running angel process on this LPAR, message DFHSJ1402 is reissued.

After the 5 failed attempts, message DFHSJ1404 is issued.
User response

- Ensure that the Liberty unnamed angel process has been started and is available on this LPAR.

An unnamed angel process is identified by the absence of a name at the end of message **CWWKB0056I** in the angel process started task **CWWKB0056I INITIALIZATION COMPLETE FOR ANGEL**

- If the Liberty angel process is not required, the Java property in the JVM profile should be set to
  
  `-Dcom.ibm.ws.zos.core.angelRequired=false`

**Module:**

DFHSJJS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. jvmserver

**Destination**

CSMT and Console

**DFHSJ1403W**  
*date time applid JVMSERVER jvmserver The Liberty angel process specified processname is unavailable - CICS will retry in 30 seconds.

**Explanation**

The JVM profile for the JVMSERVER resource `jvmserver` contains the Java properties:

- Liberty angel process required
  
  `-Dcom.ibm.ws.zos.core.angelRequired=true`

- Liberty named angel process
  
  `-Dcom.ibm.ws.zos.core.angelName=angel_name`

and the Liberty angel process check API is unable to find the running Liberty named angel process `angel_name` on this LPAR.

**System action**

JVMSERVER resource initialization will wait for 30 seconds and the Liberty angel process check API will be re-invoked.

If the API is unable to find the running Liberty angel process `angel_name` on this LPAR, message **DFHSJ1403** is reissued.

After the 5 failed attempts, message **DFHSJ1404** is issued.

User response

- Ensure that the Liberty named angel process `angel_name` has been started and is available on this LPAR.

A named angel process is identified by message **CWWKB0056I** in the angel process started task **CWWKB0056I INITIALIZATION COMPLETE FOR ANGEL angel_name**

- If the Liberty angel process is not required, the Java property in the JVM profile should be set to
  
  `-Dcom.ibm.ws.zos.core.angelRequired=false`

**Module:**

DFHSJJS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. jvmserver
5. angel_name

**Destination**

CSMT and Console

**DFHSJ1404D**  
*applid JVMSERVER jvmserver The Liberty angel is unavailable. Reply 'Y' to continue waiting or 'N' to cancel*

**Explanation**

The JVM profile for the JVMSERVER resource `jvmserver` contains the "Liberty angel process required" Java property:

  `-Dcom.ibm.ws.zos.core.angelRequired=true`

and the Liberty angel process check API has made 5 unsuccessful attempts to find a running Liberty angel process on this LPAR.

**System action**

JVMSERVER resource initialization will wait for the operator response.
User response

- Reply 'Y' to continue waiting for the Liberty angel process to be available on this LPAR.
- Reply 'N' to stop waiting for the Liberty angel process and to disable the JVMSERVER resource.

Module:
DFHSJJS

Destination

Console

DFHSJ1405I  date time applid JVMSERVER jvmserver is running liberty_product process ID liberty_pid.

Explanation
JVMSERVER jvmserver is running version liberty_product with process ID liberty_pid.

System action
Processing continues.

User response
No action required.

Module:
com.ibm.cics.server.Wrapper

XMEOUT parameters/Message inserts
1. date
time
applid
jvmserver
liberty_product
liberty_pid

Destination
CSMT

DFHSJ1406E  date time applid JVMSERVER jvmserver Unable to determine Liberty version. cause'.

Explanation
JVMSERVER jvmserver was unable to determine the Liberty version. cause'

System action
Processing continues.

User response
Investigate the cause of the exception. More information may be found in the STDERR log.

Module:
com.ibm.cics.server.Wrapper

XMEOUT parameters/Message inserts
1. date
time
applid
jvmserver
liberty_product
liberty_pid

Destination
CSMT

DFHSJ1407W  date time applid JVMSERVER jvmserver More than one User-agent allowlist file is supplied. Only the first will be used.

Explanation
The -Dcom.ibm.cics.jvmserver.cmci.user.agent.allow.list Java property in the JVM profile contains a comma-separated list of files.

System action
Only the first file listed in the -Dcom.ibm.cics.jvmserver.cmci.user.agent.allow.list Java property will be used. Processing continues.

User response
Ensure that the -Dcom.ibm.cics.jvmserver.cmci.user.agent.allow.list Java property lists only one file.

Module:
com.ibm.cics.wlp.cmci.feature.whitelist.UserAgentWhitelist

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. jvmserver

Destination
CSMT

DFHSJ1408E date time applid JVMSERVER
jvmserver User-agent allowlist file
{not supplied | not found | has no entries | contains non-ASCII data}. User-agent allowlist processing
disabled. file-name

Explanation
The
-Dcom.ibm.cics.jvmserver.cmci.user.agent.allowlist

Java property is supplied in the JVM profile, and User-
agent allowlist processing has been disabled due to
one of the following:
• The file name has not been supplied.
• The file can not be found.
• The file contains no entries.
• The file contains non-ASCII data.

System action
User-agent allowlist processing is disabled and no
access to the CMCI server will be allowed.

User response
Review the message text. Further information can be
found in STDERR log. If required, perform one of the
following user actions and re-enable the JVMSERVER:

not supplied
Provide a value for the User-agent allowlist
property
-Dcom.ibm.cics.jvmserver.cmci.user.agent.allowlist

in the JVM profile.

not found
Check that the file listed in the User-agent allowlist
property
-Dcom.ibm.cics.jvmserver.cmci.user.agent.allowlist

in the JVM profile is available and that the CICS
region user has read-access.

has no entries
Check that the file listed in the User-agent allowlist
property
-Dcom.ibm.cics.jvmserver.cmci.user.agent.allowlist

in the JVM profile contains valid data. Lines
starting with the ‘#’ symbol are treated as
comments.

contains non-ASCII data
Check that the file listed in the User-agent allowlist
property
-Dcom.ibm.cics.jvmserver.cmci.user.agent.allowlist

in the JVM profile contains valid data in the ASCII
code page.

Module:
com.ibm.cics.wlp.cmci.feature.whitelist.UserAgentWhi
teList

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. jvmserver
5. Value chosen from the following options:
   1=not supplied,
   2=not found,
   3=has no entries,
   4=contains non-ASCII data

6. file-name

Destination
CSMT

DFHSJ1409I date time applid JVMSERVER
jvmserver User-agent allowlist file
{created | modified | deleted}. file-name

Explanation
JVMSERVER/jvmserver info
System action
The User-agent allowlist file monitoring has been notified that the file file-name has been created, modified or deleted. The current cache of User-agent values in the allowlist will be deleted and the file will be reparsed.

User response
No action required.

Module:
com.ibm.cics.wlp.cmci.feature.whitelist.UserAgentWhiteList

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. jvmserver
5. user_agent

Destination
CSMT

DFHSJ1410I date time applid JVMSERVER jvmserver User-agent added to the allowlist. 'user_agent'

Explanation
The User-agent user-agent has been added to the allowlist cache. Clients with a User-agent HTTP header that matches this value will be allowed access to this CMCI server.

System action
Processing continues.

User response
No action required.

Module:
com.ibm.cics.wlp.cmci.feature.whitelist.UserAgentWhiteList

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. jvmserver
5. file-name

Destination
CSMT

DFHSJ1412E date time applid userid JVMSERVER jvmserver Access to the CMCI server denied. User-agent is not in allowlist. 'user_agent'.

Explanation
The file file-name was provided in the -Dcom.ibm.cics.jvmserver.cmci.user.agent.allow.list Java property in the JVM profile. The file has been parsed successfully. Allowlist processing is enabled with the entries listed in previous DFHSJ140I messages.

System action
Processing continues.

User response
No action required.

Module:
com.ibm.cics.wlp.cmci.feature.whitelist.UserAgentWhiteList

Explanation
User-agent allowlist processing has been enabled, but the value `user-agent` is not listed in the file provided in the

```
-Dcom.ibm.cics.jvmserver.cmci.user.agent.allowlist
```

Java property in the JVM profile.

System action
User `userid` is denied access to this CMCI server using the client with User-agent HTTP header of `user_agent`.

User response
Connect to this CMCI server using a valid client that has a User-agent listed in the file, or add `user-agent` to the file.

Module:
com.ibm.cics.wlp.cmci.feature.whitelist.UserAgentWhitelist

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. jvmserver
6. user_agent

Destination
CSMT

DFHSJ1413E date time applid JVMSERVER jvmserver User-agent allowlist is disabled. Access to CMCI server denied.

Explanation
User-agent allowlist processing has been disabled. No access to this CMCI server will be allowed.

System action
All access to this CMCI server is denied.

User response
Investigate why User-agent allowlist processing has been disabled. Check for message DFHSJ1408E. More information can be found in the STDERR log.

Module:
com.ibm.cics.wlp.cmci.feature.whitelist.UserAgentWhitelist

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. jvmserver
6. httpEndPoint

Destination
CSMT

DFHSJ1414I date time applid JVMSERVER jvmserver HTTP endpoint is now enabled on httpEndPoint

Explanation
HTTP endpoint is enabled and the CMCI server is available.

System action
The HTTP endpoint `httpEndPoint` is enabled for use.

User response
Clients may now connect to the CMCI server on `httpEndPoint`.

Module:
com.ibm.cics.wlp.cmci.feature.impl.CMCIServerEndpointController

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. jvmserver
5. httpEndPoint

Destination
CSMT and Console

DFHSJ1600I date time applid JVMSERVER jvmserver USS script `scriptPath` started with PID `pid`
Explaination
The USS script scriptPath has started.

System action
Processing continues.

User response
None.

Module:
DFHSJRT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. jvmserver
5. scriptPath
6. Value chosen from the following options:
   1=the user does not have permissions to execute the script file,
   2=an environment error occurred,
   3=an internal error occurred,
   4=the script file is not valid,
   5=the script file was not found,
   6=the script file is not executable,
   7=an unknown error occurred

Destination
CSMT

DFHSJ1601I date time applid JVMSERVER jvmserver USS script scriptPath failed to start because (the user does not have permissions to execute the script file | an environment error occurred | an internal error occurred | the script file is not valid | the script file was not found | the script file is not executable | an unknown error occurred).

Explanation
The USS script scriptPath could not be started due to an error.

System action
Script processing ends.

User response
Contact your IBM service team

Module:
DFHSJRT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. jvmserver
5. scriptPath
6. pid

Destination
CSMT

DFHSJ1602I date time applid JVMSERVER jvmserver USS script scriptPath with PID pid could not wait for the script to complete reason.

Explanation
Processing could not be suspended to wait for the USS script scriptPath to complete.

System action
Script processing ends, but the script may continue to run asynchronously.

User response
None.

Module:
DFHSJRT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. jvmserver
5. scriptPath
6. pid
7. reason

**Destination**
CSMT

DFHSJ1603I  

`date time applid JVMSERVER jvmserver USS script scriptPath with PID pid has successfully completed.`

**Explanation**
The USS script `scriptPath` has completed successfully.

**System action**
Script processing ends.

**User response**
None.

**Module:**
DFHSJRT

---

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `jvmserver`
5. `scriptPath`
6. `pid`
7. `returnCode`

**Destination**
CSMT

DFHSJ1604E  

`date time applid JVMSERVER jvmserver USS script scriptPath with PID pid has completed unsuccessfully with return code returnCode.`

**Explanation**
The USS script `scriptPath` has completed unsuccessfully with the return code `returnCode`.

**System action**
Script processing ends.

**User response**
Contact your IBM service team

**Module:**
DFHSJRT

---

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `jvmserver`
5. `scriptPath`
6. `pid`
7. `timeout`

**Destination**
CSMT

DFHSJ1605E  

`date time applid JVMSERVER jvmserver USS script scriptPath with PID pid has timed out after timeout seconds.`

**Explanation**
The USS script `scriptPath` did not complete within the allowed time specified by `timeout`. The script process will be halted.

**System action**
The script process is halted with a SIGKILL

**User response**
Contact IBM support.
The SCRIPT_TIMEOUT_SECONDS JVM profile option can be used to control `timeout`.

**Module:**
DFHSJRT

---

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `jvmserver`
5. `scriptPath`
6. `pid`
7. `timeout`
## DFHSK1101
**applid** General purpose subtask terminated abnormally - system completion code = X'xxxx'

**Explanation**
A subtask attached by DFHSKP has completed abnormally.

**System action**
CICS continues in degraded mode.

**User response**
Find out why the subtask failed. xxxx is the operating system completion code.

**Module:**
DFHSKP

### XMEOUT parameters/Message inserts
1. **applid**
2. X'xxxx'

## DFHSK1102
**applid** Unable to attach general purpose subtask - system return code = X'xxxx'

**Explanation**
DFHSKP has attempted to attach an operating system subtask. The ATTACH has failed.

**System action**
CICS continues in degraded mode.

**User response**
Find out why the attach failed. xxxx is the operating system completion code.

**Module:**
DFHSKP

### XMEOUT parameters/Message inserts
1. **applid**
2. X'xxxx'

## DFHSK1103
**applid** ESTAE macro failed in general purpose subtask - system return code = X'xxxx'

**Explanation**
A general purpose subtask issued an MVS ESTAE macro. xxxx is the nonzero response from MVS.

**System action**
CICS continues in degraded mode.

**User response**
Find out why the macro failed (this is a failure in MVS). Response code is output with the message.

**Module:**
DFHSKP

### XMEOUT parameters/Message inserts
1. **applid**
2. X'xxxx'

## DFHSK1104I
**applid** General purpose subtask terminated because error threshold has been reached

**Explanation**
A general purpose subtask has failed several times while executing its own code. CICS has terminated the task.

**System action**
CICS continues in degraded mode.

**User response**
Find out why the subtask failed.

**Module:**
DFHSKP

### XMEOUT parameters/Message inserts
1. **applid**
Destination

Console

DFHSK1106I applid Unable to authorize a
general purpose subtask - RC=nn

Explanation

The CICS subtask program issued the CICS SVC to
CICS authorize the TCB of an MVS subtask. The SVC
returned the error response code nn. The possible
values of nn and their meanings are:

<table>
<thead>
<tr>
<th>nn</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>SVC service is not authorized.</td>
</tr>
<tr>
<td>02</td>
<td>Load of DFHASV failed.</td>
</tr>
<tr>
<td>03</td>
<td>Internal error in CICS SVC.</td>
</tr>
<tr>
<td>04</td>
<td>Internal error in CICS SVC. RB check failed.</td>
</tr>
<tr>
<td>10</td>
<td>DFHAUTH TYPE=CHECK macro failed.</td>
</tr>
<tr>
<td>14</td>
<td>Invalid TCB address passed to DFHASV.</td>
</tr>
<tr>
<td>18</td>
<td>DFHAUTH TYPE=subtask AFCB storage failed.</td>
</tr>
</tbody>
</table>

Other

The SVC has not been defined and installed as
described in the Installing CICS TS.

System action

CICS continues. The CICS SVC may fail again if
reinvoked by a general purpose subtask.

User response

Use the response code in the message to determine
the cause of the failure.

Module:
DFHSKP

XMEOUT parameters/Message inserts

1. applid
2. nn

Destination

Console

DFHSMnnnn messages

DFHSM0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation

An abnormal end (abend) or program check has
occurred in module modname. This implies that there
may be an error in the CICS code. Alternatively,
unexpected data has been input, or storage has been
overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code
(if applicable), followed by a 4-digit alphanumeric
CICS code. The MVS code is a system completion code
(for example, 0C1 or D37). If an MVS code is not
applicable, this field is filled with three hyphens. The
CICS code is an abend code or a number referring to
a CICS message (for example, AKEA is a CICS abend
code; 1310 refers to message DFHTS1310).

System action

An exception entry is made in the trace table. A
system dump is taken, unless you have specifically
suppressed dumps in the dump table.

CICS continues unless you have specified in the dump
table that CICS should terminate. If appropriate, an
error return code is sent to the caller of this domain.
In this case CICS could be terminated by the caller
(for example, the domain manager, DFHDMDM). A
message is issued to this effect.

Message DFHME0116, which contains the symptom
string for this problem, is produced.
User response

Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem. If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHSMAD, DFHSMAR, DFHSMCK, DFHSMDM, DFHSMGF, DFHSMMC1, DFHSMMC2, DFHSMMF, DFHSMMG, DFHSMPQ, DFHSMP, DFHSMSR, DFHSMSMST, DFHSMSMUC, DFHSMSY

XMEOUT parameters/Message inserts

1. applid
2. aaa/bbbb
3. X’offset’
4. modname

Destination

Console

DFHS002    applid A severe error (code X’code’) has occurred in module modname.

Explanation

An error has been detected in module modname. The code X’code’ is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System action

An exception entry (code X’code’ in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

See the CICS Trace Entries for a description of the exception trace point ID, X’code’ and the data it contains.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHSMAD, DFHSMAR, DFHSMCK, DFHSMGF, DFHSMMC2, DFHSMMF, DFHSMMG, DFHSMPQ, DFHSMP, DFHSMSR, DFHSMST, DFHSMSMUC, DFHSMSY

XMEOUT parameters/Message inserts

1. applid
2. X’code’
3. modname

Destination

Console

DFHS0004    applid A possible loop has been detected at offset X’offset’ in module modname.

Explanation

A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X’offset’. This is the offset of the instruction which was executing at the time the error was detected.
**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHSMMCI, DFHSMSST

**XMEOUT parameters/Message inserts**

1. applid
2. X'offset'
3. modname

**Destination**

Console

**DFHSM0006**  
**applid** Insufficient storage to satisfy Getmain (code X'code') in module modname. MVS code mvscode.

**Explanation**

An MVS GETMAIN was issued by module modname, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

The code mvscode is the MVS GETMAIN return code.

**System action**

An exception entry is made in the trace table (code X'code'). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which rights itself if more storage becomes available. If you can manage without module modname, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

See the CICS Trace Entries for a description of the exception trace point ID, X'code' and the data it contains.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual.
Try decreasing the limits of the CICS dynamic storage areas (DSAs), or increasing the MVS region size. You can vary the CICS DSAs dynamically using the DSALIM and EDSALIM parameters on the CEMT main terminal command. To increase the MVS region size you must bring CICS down and change the MVS JCL REGION parameter.

**Module:**
DFHSMDM

**XMEOUT parameters/Message inserts**
1. applid
2. X'code'
3. modname
4. mvscode

**Destination**
Console

| DFHSM0102 | applid tranid trannum A storage violation (code X'code') has been detected by module modname. |

**Explanation**
A storage violation has been detected by module modname. The code X'code' is the exception trace point ID which uniquely identifies the type of storage violation.

**System action**
An exception entry (X'code' in the message) is made in the trace table. Use the exception trace point ID, X'code', to investigate the cause of the storage violation. A description of the exception trace point ID, and the data it contains, is in the CICS Trace Entries. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If you have enabled storage recovery (by specifying the system initialization parameter STGRCVY=YES), CICS attempts to repair the storage violation. Otherwise, the storage is left unchanged.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Use the exception trace point ID, X'code', to investigate the cause of the storage violation. See the CICS Trace Entries for a description of the exception trace point ID and the data it contains.

**Module:**
DFHSMAR, DFHSCK, DFHSMF, DFHSMMC2, DFHSMDF

**XMEOUT parameters/Message inserts**
1. applid
2. tranid
3. trannum
4. X'code'
5. modname

**Destination**
Console

| DFHSM0103 | applid A storage violation (code X'code') has been detected by the storage violation trap. Trap is now inactive. |

**Explanation**
A storage violation has been detected by the storage violation trap, which may be enabled via the CHKSTSK or the CHKSTRM system initialization parameters or via the CSFE transaction. The code X'code' is the exception trace point ID which uniquely identifies the type of storage violation detected.

**System action**
CICS disables the storage violation trap. An exception entry (X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If you have enabled storage recovery (by specifying the system initialization parameter STGRCVY=YES), CICS attempts to repair the storage violation. Otherwise, the storage is left unchanged.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**Note:**
Even if CICS is able to repair the storage, the storage violation trap still remains inactive.

**User response**
Use the exception trace point ID, X'code', to investigate the cause of the storage violation. See the CICS Trace Entries.
Entries for a description of the exception trace point ID and the data it contains.

**Module:**
DFHSMCK

**XMEOUT parameters/Message inserts**
1. `applid`
2. `'X'code'`

**Destination**
Console

| DFHSM0113I | `applid` Storage protection is not active. |

**Explanation**
This is an informative message stating that storage protection has not been requested (STGPROT=NO) and is not in effect for this execution of CICS.

**System action**
CICS continues.

**User response**
None. You can suppress this message with the system initialization parameter, `MSGLVL=0`. Storage protection can be enabled by specifying the system initialization parameter STGPROT=YES.

**Module:**
DFHSMDM

**XMEOUT parameters/Message inserts**
1. `applid`

**Destination**
Console

| DFHSM0115I | `applid` Storage protection is active. |

**Explanation**
This is an informative message stating that although storage protection was requested, it is not in effect for this execution of CICS because the necessary hardware and/or operating system support is not available.

**System action**
CICS continues.

**User response**
None.

**Module:**
DFHSMDM

**XMEOUT parameters/Message inserts**
1. `applid`

**Destination**
Console

| DFHSM0114 | `applid` Storage protection was requested but the support is not available. Storage protection is not active. |

**Explanation**
This is an informative message stating that read-only programs will not be loaded into read-only storage for this execution of CICS. This is because RENTPGM=NOPROTECT was specified as a system initialization parameter.

**User response**
None. You can suppress this message with the system initialization parameter, `MSGLVL=0`.

**Module:**
DFHSMDM

**XMEOUT parameters/Message inserts**
1. `applid`
System action
CICS continues.

User response
None.
You should not specify RENTPGM=NOPROTECT unless you wish to deliberately overwrite programs (to set breakpoints while testing, for example).
Module:
DFHSMDM

XMEOUT parameters/Message inserts
1. applid

Destination
Console
DFHSM0121I applid Reentrant programs will be loaded into read-only storage.

Explanation
This is an informatory message stating that read-only programs will be loaded into read-only storage for this execution of CICS. This is because RENTPGM=PROTECT was specified as a system initialization parameter.

System action
CICS continues.

User response
None.

Module:
DFHSMDM

XMEOUT parameters/Message inserts
1. applid
2. dsalimit

Destination
Console
DFHSM0122I applid Limit of DSA storage below 16MB is dsalimit M.

Explanation
This message gives the limit dsalimit of the dynamic storage area (DSA) below 16MB.

System action
CICS continues.

User response
None. You can suppress this message with the message level system initialization parameter, MSGlvl=0.

Module:
DFHSMDM

XMEOUT parameters/Message inserts
1. applid
2. edsalimit

Destination
Console
DFHSM0123I applid Limit of DSA storage above 16MB is edsalimit M.

Explanation
This message gives the limit edsalimit of the dynamic storage area (DSA) above 16MB.

System action
CICS continues.

User response
None. You can suppress this message with the message level system initialization parameter, MSGlvl=0.

Module:
DFHSMDM

XMEOUT parameters/Message inserts
1. applid

Destination
Console
DFHSM0124I applid Transaction isolation was requested but the support is not available or storage protection is not active. Transaction isolation is not active.

Explanation
This message gives the limit dsalimit of the dynamic storage area (DSA) below 16MB.
Explanation
The combination of system initialization parameters STGPROT(NO) and TRANISO(YES) is invalid. During a warm or emergency start of CICS, the catalogued system initialization parameters are incompatible with a SIT override. Although transaction isolation was requested, it is not in effect for this execution of CICS because the necessary hardware and/or operating system support is not available, and/or storage protection is not active.

System action
CICS continues.

User response
None.

Module:
DFHSM0DM

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHSM0125I applid Transaction isolation is active.

Explanation
Transaction isolation is requested (TRANISO=YES) and is in effect for this execution of CICS.

System action
CICS continues.

User response
None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Module:
DFHSM0DM

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHSM0126I applid Transaction isolation is not active.

Explanation
Transaction isolation has not been requested (TRANISO=NO) and is not in effect for this execution of CICS.

System action
CICS continues.

User response
None. You can suppress this message with the system initialization parameter, MSGLVL=0. Transaction isolation can be enabled by specifying TRANISO=YES as a system initialization parameter.

Module:
DFHSM0DM

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHSM0127 applid Insufficient storage to allocate requested size for DSA limit storage below 16MB (dsalimitK).

Explanation
CICS has issued an MVS GETMAIN for the requested limit dsalimit of DSA storage below 16MB, but the GETMAIN request failed.

System action
If the requested size is greater than the default, CICS reissues the MVS GETMAIN request using the default size for the DSALIM parameter.

If the requested size is not greater than the default, the storage manager makes an exception entry in the trace table. An error return code is sent to the domain manager DFHDM0DM (the caller of the storage manager). The domain manager might then terminate CICS, in which case a message to this effect is issued.

User response
Ensure that the DSALIM system initialization parameter is specified correctly.
Ensure that the REGION parameter for the CICS job is large enough.

See the z/OS MVS JCL Reference for further information about specifying storage on the REGION parameter.

**Module:**
DFHSMDM

### XMEOUT parameters/Message inserts

1. applid
2. dsalimit

**Destination**
Console

**DFHSM0128** applid Insufficient storage to allocate requested size for DSA limit storage above 16MB (dsalimitM).

**Explanation**
CICS has issued an MVS GETMAIN for the requested limit dsalimit of DSA storage above 16MB, but the GETMAIN request failed.

**System action**
If the requested size is greater than the default, CICS reissues the MVS GETMAIN request using the default size for the EDSALIM parameter.

If the requested size is not greater than the default, the storage manager makes an exception entry in the trace table. An error return code is sent to the domain manager DFHSM0129 (the caller of storage manager). The domain manager might then terminate CICS, in which case a message to this effect is issued.

**User response**
Ensure that the EDSALIM parameter is specified correctly.

Ensure that the REGION parameter for the CICS job is large enough.

See the z/OS MVS JCL Reference for more information about specifying storage on the REGION parameter.

**Module:**
DFHSMDM

### XMEOUT parameters/Message inserts

1. applid
2. dsalimit

**Destination**
Console

**DFHSM0129** applid Insufficient storage to allocate default size for DSA limit storage below 16MB (dsalimitK).

**Explanation**
Following message DFHSM0127, CICS has reduced the MVS GETMAIN request to the default size for the DSALIM system initialization parameter but the GETMAIN request has still failed.

**System action**
The storage manager makes an exception entry in the trace table.

An error return code is sent to the domain manager, DFHSM0129, (the caller of storage manager). The domain manager might then terminate CICS, in which case a message to this effect is issued.

**User response**
See DFHSM0127 for further information.

Ensure that the REGION parameter for the CICS job is large enough.

See the z/OS MVS JCL Reference for more information about specifying storage on the REGION parameter.

**Module:**
DFHSMDM

### XMEOUT parameters/Message inserts

1. applid
2. dsalimit

**Destination**
Console

**DFHSM0130** applid Insufficient storage to allocate default size for DSA limit storage above 16MB (dsalimitM).

**Explanation**
Following message DFHSM0128, CICS has reduced the MVS GETMAIN request to the default size for the EDSALIM system initialization parameter but the GETMAIN request has still failed.
**System action**

The storage manager makes an exception entry in the trace table.

An error return code is sent to the domain manager, DFHDMDM, (the caller of storage manager). The domain manager might then terminate CICS, in which case a message to this effect is issued.

**User response**

See DFHSM0128 for further information.

Ensure that the REGION parameter for the CICS job is large enough.

See the z/OS MVS JCL Reference for more information about specifying storage on the REGION parameter.

**Module:**
DFHSMDM

**XMEOUT parameters/Message inserts**

1. **applid**
2. **dsalimit**

**Destination**

Console

DFHSM0131  **applid** CICS is under stress (short on storage below 16MB).

**Explanation**

This message is produced when there is a shortage of storage in any of the dynamic storage areas (DSAs) below 16MB. Either the largest free area in one of the DSAs is less than the size of the internally defined cushion for that DSA, or there is at least one transaction suspended due to insufficient contiguous free storage.

**System action**

An exception entry is made in the trace table to record the event.

CICS continues to operate but takes steps to alleviate the situation by, for example, slowing down the rate at which new tasks are started and by releasing storage occupied by programs which are not currently in use.

**User response**

No immediate action is required. However, if the problem persists you could increase the value of the DSALIMIT parameter, if possible, or reduce the storage requirements below 16MB of your CICS system. For more information about how to do this, see the Improving performance.

**Module:**
DFHSMSY

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**

Console

DFHSM0132  **applid** CICS is no longer short on storage below 16MB.

**Explanation**

The short on storage condition reported by message DFHSM0131 has ceased.

**System action**

CICS continues.

**User response**

None.

**Module:**
DFHSMSY

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**

Console

DFHSM0133  **applid** CICS is under stress (short on storage above 16MB).

**Explanation**

There is a shortage of storage in one of the dynamic storage areas (DSAs) above 16MB. Either the largest free area in one of the DSAs is less than the size of the internally defined cushion for that DSA, or there is at least one transaction suspended due to insufficient contiguous free storage.

**System action**

An exception entry is made in the trace table to record the event.

CICS continues to operate but takes steps to alleviate the situation by, for example, slowing down the rate at
which new tasks are started and by releasing storage occupied by programs which are not currently in use.

**User response**

No immediate action is required. However, if the problem persists you could, if possible, increase the value of the EDSALIMIT parameter, or reduce the storage requirements of your CICS system above 16MB. For guidance on how to do this, see the Improving performance.

**Module:**
DFHSMSY

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**

Console

**DFHS0134** **applid** CICS is no longer short on storage above 16MB.

**Explanation**

The short on storage condition reported by message DFHS0133 has ceased.

**System action**

CICS continues.

**User response**

None.

**Module:**
DFHSMSY

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**

Console

**DFHS0135** **applid** Insufficient storage to allocate the requested size of **dsasizeK** for the **dsaname**.

**Explanation**

CICS has attempted to allocate the requested size of **dsasize** for the dynamic storage area **dsaname** but there is insufficient storage to satisfy the request.

**Note:**

The size of a dynamic storage area (DSA) below 16MB specified via the SIT override is rounded up to a multiple of 256KB (or 1MB for the UDSA if transaction isolation is in effect). The size of a DSA above 16MB specified via the SIT override is rounded up to a multiple of 1MB.

**System action**

An error return code is sent to the domain manager, DFHDMMD (the caller of storage manager). The domain manager might then terminate CICS, in which case a message to this effect is issued.

**User response**

Either reduce the value specified in the DSASZE parameter, or increase the value specified in the DSALIM parameter.

**Module:**
DFHSMDM

**XMEOUT parameters/Message inserts**

1. **applid**

2. **dsasize**

3. **dsaname**

**Destination**

Console

**DFHS0136I** **applid** The size of the **dsaname** was specified as **dsasizeK**.

**Explanation**

This is an informatory message giving the size **dsasize** of the dynamic storage area (DSA) **dsaname**.

**System action**

CICS continues.

**User response**

None. You can suppress this message with the message level system initialization parameter, MSGLVL=0.

**Module:**
DFHSMDM

**XMEOUT parameters/Message inserts**

1. **applid**
2. dsaname
3. dsasize

Destination
Console

DFHSM0137  applid The amount of MVS storage available to CICS is low.

Explanation
When MVS storage is requested by a JVM from Language Environment, CICS intercepts the request. This message is produced when the size of the largest contiguous unallocated block of storage above 16MB that is available for use by MVS has fallen below a system-defined threshold.

System action
An exception entry is made in the trace table to record the event.
CICS continues to operate but takes steps to alleviate the situation by deleting any JVMs that are currently inactive. This will have the effect of freeing any MVS storage that the inactive JVMs are holding.

User response
No immediate action is required. However, if the problem persists and if you are a user of Java transactions you could reduce the value of the MAXJVMTCBS parameter. This would reduce the number of JVMs which exist concurrently within CICS. For more information about how to do this, see the Improving performance.

Module:
DFHSMVN

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHSM0138  applid The amount of MVS storage available to CICS is no longer low.

Explanation
The MVS storage shortage reported by message DFHSM0137 has ceased.

System action
CICS continues.

User response
None.

Module:
DFHSMVN

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHSM0139  applid The amount of MVS storage available to CICS is critically low.

Explanation
This message is produced when there is no unallocated block of storage large enough to satisfy an MVS request for storage. When MVS storage is requested by a JVM from Language Environment, CICS will intercept these requests. The message means that insufficient contiguous storage was available to satisfy the MVS storage request. Either CICS has been forced to attempt to satisfy the request by releasing storage from an MVS storage cushion that it keeps in reserve or there is at least one transaction suspended due to insufficient contiguous free storage.

System action
An exception entry is made in the trace table to record the event.
CICS continues to operate but takes steps to alleviate the situation by deleting JVMs as the programs that own them complete and not starting new JVMs until the storage shortage is relieved.

User response
No immediate action is required. However, if the problem persists and if you run Java transactions you could decrease the MAXJVMTCBS parameter. For more information about how to do this, see the Improving performance.

Module:
DFHSMVN

XMEOUT parameters/Message inserts
1. applid
**DFHSM0140**

**Destination**
Console

**Explanation**
The amount of MVS storage available to CICS is no longer critically low.

**System action**
CICS continues.

**User response**
None.

**Module:**
DFHSMNVN

**XMEOUT parameters/Message inserts**
1. applid

**DFHSM0141**

**Destination**
Console

**Explanation**
CICS is still under stress (short on storage below 16MB).

**System action**
CICS continues to take the actions associated with short on storage recovery.

**User response**
No immediate action is required. However, if the problem persists, take the actions detailed in DFHSM0133.

**Module:**
DFHSMSY

**XMEOUT parameters/Message inserts**
1. applid

**DFHSM0142**

**Destination**
Console

**Explanation**
CICS is still under stress (short on storage above 16MB).

**System action**
CICS continues to take the actions associated with short on storage recovery.

**User response**
No immediate action is required. However, if the problem persists, take the actions detailed in DFHSM0133.

**Module:**
DFHSMSY

**XMEOUT parameters/Message inserts**
1. applid

**DFHSM0143**

**Destination**
Console

**Explanation**
The amount of MVS above the bar storage available to CICS is still critically low.

**System action**
CICS continues to take the actions associated with short on storage recovery.

**User response**
No immediate action is required. However, if the problem persists, take the actions detailed in DFHSM0606.

**Module:**
DFHSMSY
**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**

Console

---

**applid** The CICS region is short on 24-bit MVS unallocated storage.

---

**Explanation**

CICS periodically monitors MVS user region storage. CICS also checks for SOS breaches before performing some functions that require MVS user region storage. This message is issued if one or more short on storage (SOS) thresholds of the user region's unallocated storage have been breached. Message DFHSM0148 follows this message and displays the total size of the unallocated storage of the user region and the size of the largest contiguous unallocated storage area of the user region.

**System action**

If CICS detects an SOS threshold breach before performing a function that requires MVS user region storage, the task is suspended. The task is suspended until the SOS condition has been alleviated, the suspend has timed out, or the task has been purged.

**User response**

If the problem persists, you should investigate the short on storage condition and take whatever actions required to reduce the region's MVS storage requirements.

**Module:** DFHSMOM, DFHSMOS

---

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**

Console

---

**applid** The 24-bit MVS unallocated storage of the CICS region is constrained.

---

**Explanation**

Although the user region is no longer short on MVS unallocated storage, CICS is in the process of resuming the tasks that were waiting because of the previous short on storage event. Message DFHSM0148 follows this message and displays the total size of the user region's unallocated storage and the size of the largest contiguous unallocated storage area of the user region.

**System action**

CICS continues to resume the suspended tasks.

**User response**

None.

**Module:** DFHSMOM

---

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**

Console

---

**applid** The 24-bit MVS unallocated storage of the CICS region is no longer constrained.

---

**Explanation**

The short on storage condition in the user region's MVS storage has been alleviated. Message DFHSM0148 follows this message and displays the total size of the user region's unallocated storage and the size of the largest contiguous unallocated storage area of the user region.
Explanation
The storage constraint on the user region's MVS storage has been alleviated. Message DFHSM0148 follows this message and displays the total size of the user region's unallocated storage size and the size of the largest contiguous unallocated storage area of the user region.

System action
None.

User response
None.

Module:
DFHSMOM

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHSM0148I  applid 24-bit MVS unallocated storage: Total tunallocK, Largest contiguous area lunallocK.

Explanation
The total size of the user region's unallocated storage and the size of the largest contiguous unallocated user region storage area are displayed. The MVS user region is divided into tiers by the CICS MVS monitor task, and each tier is approximately half the size of the previous tier. The monitor task will issue this message when it detects a significant change in tier level. This message is also issued immediately after message DFHSM0144, DFHSM0145, DFHSM0146 or DFHSM0147.

System action
None.

User response
None.

Module:
DFHSMOM

XMEOUT parameters/Message inserts
1. applid

DFHSM0149W  applid The CICS region is short on 31-bit MVS unallocated storage.

Explanation
CICS periodically monitors MVS unallocated storage of the extended user region. CICS also checks for SOS breaches before performing some functions that require MVS extended user region storage. This message is issued if one or more short on storage (SOS) thresholds of the extended user region's unallocated storage have been breached. Message DFHSM0153 follows this message and displays the total size of the extended user region's unallocated storage and the size of the largest contiguous unallocated storage area of the extended user region.

System action
If CICS detects an SOS threshold breach before performing a function that requires MVS extended storage, the task is suspended. The task is suspended until the SOS condition has been alleviated, the suspend has timed out, or the task has been purged.

User response
If the problem persists, you should investigate the short on storage condition and take whatever actions required to reduce the region's MVS storage requirements.

Module:
DFHSMOM, DFHSMOS

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHSM0150I  applid The CICS region is no longer short on 31-bit MVS unallocated storage.

Explanation
The short on storage condition in the extended user region's MVS storage has been alleviated. Message DFHSM0153 follows this message and displays the...
The storage constraint on the extended user region's storage has been alleviated. Message DFHSM0153 follows this message and displays the total size of the extended user region's unallocated storage and the size of the largest contiguous unallocated storage area of the extended user region.

**Explanation**
The total size of the extended user region's unallocated storage and the size of the largest contiguous extended user region's unallocated storage area are displayed. The extended user region's storage is divided into tiers by the CICS MVS monitor task, and each tier is approximately half the size of the previous tier. The monitor task will issue this message when it detects a significant change in tier level. This message is also issued immediately after message DFHSM0149, DFHSM0150, DFHSM0151 or DFHSM0152.

**System action**
None.

**User response**
None.

**Module:**
DFHSMOM

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**
Console

**DFHSM0153I**  
**applid** 31-bit MVS unallocated storage: Total **tunalloc**K, Largest contiguous area **lunalloc**K.

**Explanation**
Although the extended user region is no longer short on MVS storage, CICS is in the process of resuming the tasks that were waiting because of the previous short on storage event. Message DFHSM0153 follows this message and displays the total size of the extended user region's unallocated storage and the size of the largest contiguous unallocated storage area of the extended user region.

**System action**
CICS continues to resume the suspended tasks.

**User response**
None.

**Module:**
DFHSMOM

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**
Console

**DFHSM0152I**  
**applid** The 31-bit MVS unallocated storage of the CICS region is no longer constrained.
2. tunalloc
3. lunalloc

Destination
Console

DFHSM0300 DFHSMUTL ERROR REPORT

Explanation
This is the report from the local catalog storage manager domain subpool record manipulation program, DFHSMUTL. A number of lines may be written to the report: DFHSM0300 DFHSMUTL REPORT Report header. ADD SUBPOOL=xxxxxxxx PROCESSED SUCCESSFULLY ADD SUBPOOL=xxxxxxxx has been processed successfully. DEL SUBPOOL=xxxxxxxx PROCESSED SUCCESSFULLY DEL SUBPOOL=xxxxxxxx has been processed successfully. FOUND DFHLCD RECORD SMSUBPOL=xxxxxxxx Subpool record found by the LST command. ERROR OPENING DFHLCD An error has occurred opening the local catalog data set. The program is terminated. UNRECOGNISED VERB xxx IN INPUT Only ADD, DEL and LST are allowed. The statement is ignored. UNRECOGNISED OPERAND xxxxxxxx IN INPUT Only ADD SUBPOOL=xxxxxxxx or DEL SUBPOOL=xxxxxxxx are allowed. The statement is ignored. ERROR PROCESSING 'ADD SUBPOOL=xxxxxxxx'. R15 = X'yy'. RPL FEEDBACK CODE = X'zz'. SEE DFSMS/MVS MACRO INSTRUCTIONS FOR DATA SETS A VSAM error has occurred whilst processing an ADD SUBPOOL=xxxxxxxx command. For the meaning of the VSAM codes, refer to z/OS DFSMS Macro Instructions for Data Sets, SC26-4913. The program is terminated. END OF DFHSMUTL REPORT Report trailer.

System action
See Explanation.

User response
If an error is reported, correct the cause and retry.

Module:
DFHSMUTL

DFHSM0601I applid Limit of above the bar storage available is gdsalimit gdsaunits {NOLIMIT / } from gdsaloc.

Explanation
This is an informatory message giving the limit gdsalimit value in gdsaunits (M=megabytes, G=gigabytes, T= terabytes, P=petabytes, E=exabytes) of above the bar storage available and the source gdsaloc of the limit.

System action
CICS continues.

User response
None. You can suppress this message with the message level system initialization parameter, MSGLVL=0.

Module:
DFHSMDM

XMEOUT parameters/Message inserts
1. applid
2. gdsalimit
3. gdsaunits
4. Value chosen from the following options:
   1=NOLIMIT ,
   2=
   5. gdsaloc

Destination
Console

DFHSM0602 applid Insufficient storage to allocate the minimum above the bar memory object.

Explanation
This is an error message indicating that the amount of above the bar storage available is less than the minimum needed for CICS to initialize (10GB).
**System action**
CICS terminates.

**User response**
Set the MEMLIMIT value in the JCL procedure used to start CICS to a value greater than or equal to 10GB. See the z/OS MVS JCL Reference for more information on specifying storage using the MEMLIMIT parameter.

**Module:**
DFHSMMDM

**XMEOUT parameters/Message inserts**
1. applid

**Destination**
Console

**Explanation**
This message is produced when CICS is unable to satisfy an above the bar storage request. The message means that insufficient above the bar storage was available to satisfy the MVS storage request. CICS has been forced to suspend a transaction in process or deny starting of a new transaction due to insufficient free above the bar storage.

**System action**
An exception entry is made in the trace table to record the event. CICS continues to operate but take steps to alleviate the situation and not start new transactions until the above the bar storage shortage is relieved.

**User response**
No immediate action is required. However, if the problem persists you may want to explore why the short on storage condition is occurring. For more information on short on storage conditions in the DSAs, see the Improving performance.

**Module:**
DFHSMYSY

**XMEOUT parameters/Message inserts**
1. applid

**Destination**
Console

**Explanation**
The MVS storage shortage reported by message DFHSM0606 has ceased.

**System action**
CICS continues.

**User response**
None.

**Module:**
DFHSMYSY

**XMEOUT parameters/Message inserts**
1. applid

**Destination**
Console

**DFHSNnnnn messages**

**DFHSN0001**
applid An abend (code aaa/bbbb) has occurred at offset 'offset' in module modname.

**Explanation**
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to
a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the description of the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHSNUS, DFHSNAS, DFHSNPU, DFHSNSU, DFHSNTU, DFHSNXR

**XMEOUT parameters/Message inserts**

1. applid
2. X'code'
3. proname

**Destination**

Console

---

**Explanation**

CICS has detected a severe error while running module *proname*. This error is associated with exception trace point ID *code*. For further information about CICS exception trace entries, refer to the Troubleshooting and support.

**System action**

The task issuing the signon abends.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHSNUS, DFHSNAS, DFHSNPU, DFHSNSU, DFHSNTU, DFHSNXR

**XMEOUT parameters/Message inserts**

1. applid
2. X'code'
3. proname

**Destination**

Console

---

**Explanation**

A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an
error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHSNUS, DFHSNAS, DFHSNPU, DFHSNSU, DFHSNTU, DFHSNXR

Explanation

Terminal portname has been signed on. It now has the security attributes for userid userid in group groupid.

System action

Processing continues.

User response

The user at terminal portname can now use those CICS transactions permitted for this userid in group groupid.

Module: DFHSNTU

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1=netname,
   2=console,
   3=terminal
6. portname
7. userid
8. groupid

Destination

CSCS

DFHSN1101 date time applid Signon at {netname | console | terminal} portname has failed. User userid not recognized.

Explanation

A signon has been issued from terminal portname which specified a userid userid that is not known to the ESM.

System action

The signon request is rejected.

User response

Unless this implies a breach of security that needs investigating, contact your security administrator so that the userid can be made known to the ESM.
Module: DFHSNTU

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. Value chosen from the following options:
   - 1=netname,
   - 2=console,
   - 3=terminal
5. portname
6. userid

Destination
CSCS

DFHSN1102  date time applid Signon at {netname | console | terminal} portname by user userid has failed. Password not recognized.

Explanation
A signon has been issued from terminal portname which specified an incorrect password.
This was probably caused by a misspelling of the password or because the password is not valid for this userid.

System action
The signon request is rejected.

User response
None, unless this implies a breach of security that needs investigating.

Module: DFHSNTU

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. Value chosen from the following options:
   - 1=netname,
   - 2=console,
   - 3=terminal
5. portname
6. userid

Destination
CSCS

DFHSN1103  date time applid Signon at {netname | console | terminal} portname by user userid has failed. OID card damaged or not authorized.

Explanation
A signon has been issued from terminal portname which used an unauthorized or damaged operator identification (OID) card.

System action
The signon request is rejected.

User response
None, unless this implies a breach of security that needs investigating.

Module: DFHSNTU

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. Value chosen from the following options:
   - 1=netname,
   - 2=console,
   - 3=terminal
5. portname
6. userid

Destination
CSCS

DFHSN1104  date time applid Signon at {netname | console | terminal} portname by user userid has failed. New password not allowed.
Explanation
A signon has been issued from terminal portname which attempted to change the password to a value that the external security manager (ESM) does not allow.

System action
The signon request is rejected.

User response
None, unless this implies a breach of security that needs investigating.

Module:
DFHSNTU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=netname ,
   2=console ,
   3=terminal
5. portname
6. userid

Destination
CSCS

DFHSN1105 date time applid Signon at {netname / console / terminal} portname by user userid requires a new password.

Explanation
A signon has been issued from terminal portname which did not specify a password. The signon has been rejected because user userid requires a password.

System action
The signon request is rejected.

User response
None, unless this implies a breach of security that needs investigating.

Module:
DFHSNTU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
Explaination
A signon has been issued from terminal `portname` which did not use an operator identification (OID) card when the external security manager (ESM) indicates that one should have been used.

System action
The signon request is rejected.

User response
None, unless this implies a breach of security which needs investigating.

Module:
DFHSNTU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=netname,
   2=console,
   3=terminal
5. portname
6. userid
7. `X'safresp'`
8. `X'safreas'`
9. `X'esmresp'`
10. `X'esmreas'`

Destination
CSCS

DFHSN1107 date time applid Signon at {netname | console | terminal} portname by user userid requires an OID card.

Explanation
A signon has been issued from terminal `portname` and has been rejected by the external security manager (ESM).

System action
The signon request is rejected.

User response
The response and reason codes (`safresp` and `safreas`) returned by the system authorization facility (SAF), and the response and reason codes (`esmresp` and `esmreas`) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the z/OS MVS Programming: Authorized Assembler Services Guide and in z/OS Security Server RACROUTE Macro Reference (SC28-1366). See these manuals for an explanation of the codes.

Module:
DFHSNTU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=netname,
   2=console,
   3=terminal
5. portname
6. userid
7. `X'safresp'`
8. `X'safreas'`
9. `X'esmresp'`
10. `X'esmreas'

Destination
CSCS

DFHSN1108 date time applid Signon at {netname | console | terminal} portname by user userid has failed. SAF codes are (`X'safresp','X'safreas'). ESM codes are (`X'esmresp','X'esmreas').
because the terminal has preset security.

**Explanation**
A signon has been issued from terminal *portname*. This terminal has been defined to CICS with fixed security attributes. It does NOT support signon.

**System action**
The signon request is rejected.

**User response**
None, unless this implies a breach of security which needs investigating.

**Module:**
DFHSNTU

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. Value chosen from the following options:
   1. *netname*,
   2. *console*,
   3. *terminal*
5. *portname*
6. *userid*

**Destination**
CSCS

---

**DFHSN1113**  
*date time applid* Signon at *{netname | console | terminal}* *portname* by user *userid* has failed because the terminal was already signed on.

**Explanation**
A signon has been issued from terminal *portname* while a previous signon was still in effect for this terminal.

**System action**
The signon request is rejected.

**User response**
Investigate why a signon has been issued from a task that is not associated with a terminal.

**Module:**
DFHSNTU

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *userid*
Destination
CSCS
DFHSN1115  

\textit{date time applid}  
Signon at  
\{netname \mid console \mid terminal\}  
\textit{portname} by user \textit{userid} has failed. Signon is not allowed at a surrogate terminal except by use of the CRTE transaction.

Explanation
CICS does not support the signing-on of surrogate terminals, except when done during a CRTE routing session.

System action
Processing continues.

User response
Investigate how and why users are attempting to use signon via transaction routing.

Module:
DFHSNTU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=netname ,
   2=console ,
   3=terminal
5. portname
6. userid

Destination
CSCS
DFHSN1117  

\textit{date time applid}  
Signon at  
\{netname \mid console \mid terminal\}  
\textit{portname} by user \textit{userid} has failed because an invalid national language was selected.

Explanation
Signon failed because the language specified was not recognized as an IBM national language.

System action
Signon fails.

User response
Retry signon with a correct language value.

Module:
DFHSNTU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=netname ,
   2=console ,
   3=terminal
5. portname
6. userid

Destination
CSCS

DFHSN1118  date time applid Signon at 
{netname | console | terminal } 
portname by user userid has failed 
because the user is not authorized 
to use the terminal.

Explanation
A signon has been issued from terminal portname 
which has failed. The user is not authorized to use the terminal.

System action
The signon request is rejected.

User response
Contact your security administrator, who should check 
the user should have authorization to use application applid.

In particular, check if the user should be able to 
access the system on this particular day and time and 
whether the terminal may be used on this day and 
time.

Module:
DFHSNTU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=netname ,
   2=console ,
   3=terminal
5. portname
6. userid

Destination
CSCS

DFHSN1119  date time applid Signon at 
{netname | console | terminal } 
portname by user userid has failed 
because the user is not authorized 
to use application applname.

Explanation
A signon has been issued from terminal portname 
which has failed. The user is not authorized to use application applname.
- If you are using the VTAM generic resource function, 
applname is the generic resource name specified 
in the GRNAME system initialization parameter.
- If you are using XRF, applname is the generic applid 
specified as the first operand of the APPLID system 
initialization parameter.
- Otherwise, applname is the application identifier 
specified as the single operand of the APPLID 
system initialization parameter.

System action
The signon request is rejected.

User response
Contact your security administrator, who should check 
whether the user should have authorization to use application applid.

Module:
DFHSNTU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
Destination

CSCS

| Date/Time | Applid | Signon at {netname | console | terminal} | Portname by user userid has failed because the {userid | group access} has been revoked. |
|-----------|--------|---------------------------------------------|--------------------------------------------------------------------------------|
| DFHSN1120 |        |                                             |                                                                                |

Explanation
Either the userid, or the user's access to the ESM group containing it, has been revoked by the ESM. This is usually the result of repeated attempts to signon with an invalid password.

System action
The signon request is rejected.

User response
For revoked userids, contact your security administrator who can reauthorize the revoked userid by issuing the ALTUSER RESUME function. For revoked group access, contact your security administrator who can restore the user's access to the group by issuing the CONNECT RESUME function.

Module:
DFHSNTU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=netname,
   2=console,
   3=terminal
5. portname
6. userid
7. Value chosen from the following options:
   1=userid,
Explanation
A signon has been issued from terminal *portname* which has failed. Either the userid is not in the specified group, or the group specified for this user to be associated with after signon is not known to the ESM.

System action
The signon request is rejected.

User response
Check that the groupid specified is correct. If it is, contact your security administrator to ensure that this group is defined properly, and that the user is connected to this group.

Module:
DFHSNTU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=netname,
   2=console,
   3=terminal
5. portname
6. userid

Destination
CSCS

DFHSN1131 *date time applid* Signon at {netname | console | terminal} *portname* by user *userid* has failed because security is not active in this CICS region.

Explanation
A signon has been issued from terminal *termid* which is a session. The security attributes of a session can only be changed on receipt of a valid FMH-5 attach header.

System action
The signon request is rejected.

User response
Investigate how and why users are attempting to use signon for a session.

Module:
DFHSNTU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. *termid*
5. userid
CSCS

Explanation
A signon has been issued from terminal portname. The SNSCOPE initialization parameter disallows signon to more than one terminal at a time. An internal failure during SNSCOPE checking means that CICS is unable to confirm if the user is already signed on elsewhere. The failure has occurred because the limit of concurrent MVS ENQ requests has been reached.

System action
The signon request is rejected. Message DFHUS0120 will have been written to the console. See the explanation of this message for further information.

User response
Please report this problem to your CICS systems programmer.

See the Configuring for more information about the SNSCOPE parameter.

Module:
DFHSNTU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=netname,
   2=console,
   3=terminal
5. portname
6. userid
7. tt
8. nn

CSCS

Explanation
Terminal portname has been signed off. It now has the default security attributes.

nn indicates the number of errors which have occurred.

System action
Processing continues.

User response
None.

Module:
DFHSNTU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=netname,
   2=console,
   3=terminal
5. portname
6. userid
7. tt
8. nn

Destination
CSCS

Explanation
A signoff has been issued from terminal termid which is a session. The security attributes of a session can only be changed on receipt of a valid FMH-5 attach header.

System action
The signoff request is rejected.
User response
Investigate how and why users are attempting to use signoff for a session.

Module:
DFHSNTU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid

Destination
CSCS

DFHSN1212 | date time applid | Signoff at {netname | console | terminal } | portname has failed because the terminal has preset security.

Explanation
A signoff has been issued from terminal portname which has been defined to CICS with fixed security attributes and so does not support signoff.

System action
The signoff request is rejected.

User response
None, unless this implies a breach of security which needs investigating.

Module:
DFHSNTU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=netname ,
   2=console ,
   3=terminal
5. portname

Destination
CSCS

DFHSN1213 | date time applid | Signoff at {netname | console | terminal } | portname has failed because the terminal was not signed on.

Explanation
A signoff has been issued from terminal portname while no previous signon was in effect.

System action
The signoff request is rejected.

User response
None, unless this implies a breach of security which needs investigating.

Module:
DFHSNTU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=netname ,
   2=console ,
   3=terminal
5. portname

Destination
CSCS

DFHSN1214 | date time applid | An attempted signoff by transaction tranid has failed because there was no terminal associated with the requesting task.

Explanation
A signoff has been issued from a task that had been started without a terminal.

System action
The signoff request is rejected.
User response
Investigate why a signoff has been issued from a task that is not associated with a terminal.

Module:
DFHSNTU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CSCS

DFHSN1215  date  time  applid  Signoff at {netname / console / terminal} portname has failed. Signoff is not allowed at a surrogate terminal except by use of the CRTE transaction.

Explanation
CICS does not support the signing off of surrogate terminals, except when done during a CRTE routing session.

System action
Processing continues.

User response
Investigate how and why users are attempting to use signoff via transaction routing.

Module:
DFHSNTU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1=netname ,
   2=console ,
   3=terminal
6. portname
7. X'hexqueueid'

Destination
CSCS

DFHSN1300  date  time  applid  An attempt to reschedule BMS pages for operator opid at {netname / console / terminal} portname has failed following a timeout. Pages on temporary storage queue X'hexqueueid' may require cleanup.

Explanation
Operator opid has been timed out on terminal netname while viewing BMS pages. CICS has attempted to reschedule the pages so that they are available when the operator signs on again, but the reschedule has failed.

The pages are available on temporary storage queue hexqueueid. This queue continues to exist until it is explicitly disposed of.

System action
Processing continues.

User response
If you still need to view this data, repeat the processing which created the BMS pages.

Module:
DFHSNTU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. opid
5. Value chosen from the following options:
   1=netname ,
   2=console ,
   3=terminal
6. portname
7. X'hexqueueid'
**DFHSN1400**  

*date time applid* Session signon for session *session* by user *userid* is complete.

**Explanation**

The two CICS systems are connected and the MRO/ISC session is given the security authority of user *userid*.

**System action**

The MRO/ISC sessions are signed on.

**User response**

None.

**Module:**  
DFHSNSU

**XMEOUT parameters/Message inserts**

1. *date*  
2. *time*  
3. *applid*  
4. *session*  
5. *userid*

**Destination**

CSCS

**DFHSN1410**  

*date time applid* Session signon for session *session* with default security attributes is complete.

**Explanation**

The two CICS systems are connected and the MRO/ISC session is given the security authority of the default user.

**System action**

The MRO/ISC sessions are signed on.

**User response**

None.

**Module:**  
DFHSNSU

**XMEOUT parameters/Message inserts**

1. *date*  
2. *time*  
3. *applid*  
4. *session*  
5. *userid*  
6. X'safresp'  
7. X'safreas'  
8. X'esmresp'  
9. X'esmreas'

**Destination**

CSCS

DFHSN1500  

*date time applid*  

Session signoff for session *session* is complete.  

*tt* transactions entered with *nn* errors.

**Explanation**

An MRO/ISC session is signed-off.  

*nn* indicates the number of abends which have occurred.

**System action**

The security authority is removed from the session.

**User response**

None.

**Module:**  
DFHSNSU

---

**XMEOUT parameters/Message inserts**

1. *date*  
2. *time*  
3. *applid*  
4. *session*  
5. *tt*  
6. *nn*  

**Destination**  

CSCS

---

DFHSN1501  

*date time applid*  

Session signoff for session *session* has failed. SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas').

**Explanation**

An MRO/ISC signoff is attempted but the signoff has failed for the reason given.

**System action**

Processing continues.

**User response**

The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the z/OS MVS Programming: Authorized Assembler Services Guide, and in z/OS Security Server RACROUTE Macro Reference (SC28-1366). Consult the manuals to find the cause of the codes.

**Module:**  
DFHSNSU

---

DFHSN1604  

*date time applid*  

Attach header signon at terminal *termid* by user *userid* has failed. SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas').

**Explanation**

User *userid* has failed the implicit signon for attach security.

**System action**

The attach fails.

**User response**

The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the z/OS MVS Programming: Authorized Assembler Services Guide, and in z/OS Security Server RACROUTE Macro Reference (SC28-1366). Consult the manuals to find the cause of the codes.

**Module:**  
DFHSNUS
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. userid
6. X'safresp'
7. X'safreas'
8. X'esmresp'
9. X'esmreas'

**Destination**

CSCS

**DFHSN1606**

*date time applid Attach header signoff at terminal termid has failed. SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas').*

**Explanation**

The user has failed the implicit signon for local user security.

**System action**

Processing continues.

**User response**

The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the z/OS MVS Programming: Authorized Assembler Services Guide, and in z/OS Security Server RACROUTE Macro Reference (SC28-1366). Consult the manuals to find the cause of the codes.

**Module:**

DFHSNUS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. X'safresp'
6. X'safreas'

**Destination**

CSCS

**DFHSN1800**

*date time applid Signon at {netname | console | terminal}*

**Explanation**

The user has failed the implicit signon for attach security.

**System action**

The attach fails.

**User response**

The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the z/OS MVS Programming: Authorized Assembler Services Guide, and in z/OS Security Server RACROUTE Macro Reference (SC28-1366). Consult the manuals to find the cause of the codes.

**Module:**

DFHSNUS
**portname** by preset user **userid** in group **groupid** is complete.

**Explanation**
The user **userid**, specified for preset security terminal **portname** has been signed on to the external security manager (ESM).

**System action**
The security attributes for this userid are used in all security requests issued against this terminal. The terminal is now PRESET with this userid for its entire duration.

**User response**
None.

**Module:** DFHSNPU

**XMEOUT parameters/Message inserts**
1. **date**
2. **time**
3. **applid**
4. Value chosen from the following options:
   1. **netname**
   2. **console**
   3. **terminal**
5. **portname**
6. **userid**
7. **groupid**

**Destination**
CSCS
DFHSN1801

**System action**
The signon request is rejected and the terminal cannot be put in service.

**User response**
The response and reason codes (**safresp** and **safreas**) returned by the system authorization facility (SAF), and the response and reason codes (**esmresp** and **esmreas**) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the z/OS MVS Programming: Authorized Assembler Services Guide, and in z/OS Security Server RACROUTE Macro Reference (SC28-1366). Consult the manuals to find the cause of the codes.

**Module:** DFHSNPU

**XMEOUT parameters/Message inserts**
1. **date**
2. **time**
3. **applid**
4. Value chosen from the following options:
   1. **netname**
   2. **console**
   3. **terminal**
5. **portname**
6. **userid**
7. **X’safresp’**
8. **X’safreas’**
9. **X’esmresp’**
10. **X’esmreas’**

**Destination**
CSCS
DFHSN1850

**Explanation**
The preset security terminal **portname** has been signed off while the terminal was being deleted. Its security has been removed.
System action
Processing continues.

User response
None.

Module:
DFHSNPU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=netname
   2=console
   3=terminal
5. portname

Destination
CSCS

DFHSN1851 date time applid Signoff at preset {netname | console | terminal } portname has failed. SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas').

Explanation
The preset security terminal portname, could not be signed off while the terminal was being deleted.

User response
The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the z/OS MVS Programming: Authorized Assembler Services Guide, and in z/OS Security Server RACROUTE Macro Reference (SC28-1366). Consult the manuals to find the cause of the codes.

Module:
DFHSNPU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=netname
   2=console
   3=terminal
5. portname
6. X'safresp'
7. X'safreas'
8. X'esmresp'
9. X'esmreas'

Destination
CSCS

DFHSOOnnnn messages

DFHSO0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).
**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module `modname` is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem. If you cannot run without the full use of module `modname` you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHSOCK

**XMEOUT parameters/Message inserts**

1. `applid`
2. `aaa/bbbb`
3. `X'offset'`
4. `modname`

**Destination**

Console

**DFHS00002** 

`applid A severe error (code X'code') has occurred in module modname.`

**Explanation**

An error has been detected in module `modname`. The code `X'code'` is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

**System action**

An exception entry (code `X'code'` in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

If the exception entry made in the trace table has a trace ID with a value of `X'0425'`, message DFHE0501 was issued by the CICS Kernel earlier during CICS initialization.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

If the exception entry made in the trace table has a trace ID with a value of `X'0425'`, further information can be found in message DFHE0501 issued by the CICS Kernel earlier during CICS initialization.

CICS may not have been terminated. If the message occurs once and module `modname` is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module `modname`, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHSODM, DFHSOL, DFHSOCK, DFHSORD, DFHSOIS.

**XMEOUT parameters/Message inserts**

1. `applid`
2. `X'code'`
3. `modname`
A possible loop has been detected at offset X'offset' in module modname.

Explanation
A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which happened to be executing at the time when the error was detected.

System action
An exception entry is made in the trace table.
A system dump is taken unless you have specifically suppressed the dump (by a user exit program at the XDUREQ exit, in the dump table or by global system dump suppression). CICS processing continues unless you have specified in the dump table that CICS should terminate.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.
Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function, and there may not be an error. Usually, CICS purges a CICS function which exceeds the runaway task time interval that you have specified in the ICVR system initialization parameter. This means that execution of module modname is terminated and CICS continues.
If you have specified system initialization parameter ICVR=0 and you consider that module modname is looping, you must terminate CICS in order to terminate the runaway function.
If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the value of the ICVR system initialization parameter. You have to close down CICS at a suitable time to do this permanently. You can change the ICVR time interval temporarily online using the CEMT transaction.
If raising the ICVR time does not solve the problem, you may need further assistance from IBM to resolve the problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHSOCK, DFHSOSE

XMEOUT parameters/Message inserts
1. applid
2. X'offset'
3. modname

Destination
Console

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User response
None. The message can be suppressed with the
system initialization parameter MSG_LVL=0.

Module:
DFHSODM

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHS00102  

date time applid  
A UNIX System Services Assembler Callable Service error (code X'code') has occurred on receipt of a severe TCP/IP return code; the TCPIPSERVICE tcpipservice on port portnumber at IP address ipaddress will be closed.

Explanation
An error has been detected in DFHSOLS. The error has been caused by a severe return code received from TCP/IP.

System action
An exception entry X'code' is made in the trace table. No system dump is taken, unless you have specifically requested a dump in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

The TCPIPSERVICE tcpipservice on port portnumber at the specified IP address will be shutdown. When this is complete then message DFHS00108 will be issued. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
This error could have been returned if TCP/IP had been shutdown, for example. The exception trace entry will tell you which service routine was called and the return values that were returned. Refer to the z/OS UNIX System Services Messages and Codes book to determine the cause of the error.

The TCPIPSERVICE tcpipservice will be closed, and after the TCP/IP region has been restarted the closed TCPIPSERVICE should be reopened. At this point normal work can resume on the TCPIPSERVICE.

Module:
DFHSODM

XMEOUT parameters/Message inserts
1. date
dfhsos
2. tcpipservice
dfhs00104
3. applid
dfhs00104
4. x'code'
dfhs00108
5. portnumber
ipaddress

Destination
CSOO and Console

Message DFHME0116, which contains the symptom string for this problem, is produced.

Explanation
The program module pgmname, which is required to implement the secure sockets layer, could not be loaded.

If pgmname is GSKCMS, GSKSSL, or GSKX509, the System SSL component of z/OS has not been installed properly.

System action
System initialization continues, but support for the secure sockets layer is not enabled.

User response
If pgmname is GSKCMS, GSKSSL, or GSKX509, ensure that the System SSL library is available to CICS. This library is prefix.SIEALNKE, where prefix is defined by the installation. You should ensure that it is installed in the system linklist or referenced in the STEPLIB concatenation in the CICS JCL. If it is included in the CICS STEPLIB the library must be APF-authorized.

Module:
DFHSODM

XMEOUT parameters/Message inserts
1. applid
2. pgmname

Destination
Console
EXCEPTION

Explanation
An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System action
An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.
CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
This indicates a possible error in CICS code or the called Assembler Callable Service routine. The exception trace entry will tell you which service routine was called and the return values that were returned. Refer to the z/OS UNIX System Services Messages and Codes manual to determine the cause of the error. The severity of its impact depends on the importance of the function being executed at the time of the error.
CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.
If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

Module:
DFHSOCK

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'code'

Destination
CSOO and Console

DFHSO0107 date applid TCPIPSERVICE tcpipservice has been opened on port portnumber at IP address ipaddress.

Explanation
The TCPIPSERVICE tcpipservice has been opened on port portnumber at the IP address specified.
If you have specified a low IPv6 address, that is, the address has leading zeros in the first six or more segments, CICS stores and displays the IPv6 address in IPv4 format.

System action
CICS continues.

User response
None.

Module:
DFHSOCK

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tcpipservice
5. portnumber
6. ipaddress

Destination
CSOO

DFHSO0108 date applid TCPIPSERVICE tcpipservice on port portnumber at IP address ipaddress has been closed.

Explanation
The TCPIPSERVICE tcpipservice on port portnumber on the specified IP address has been closed.

System action
CICS continues.
**User response**

None.

**Module:** DFHSOCK

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tcpipservice`
5. `portnumber`
6. `ipaddress`

**Destination**

CSOO

DFHSO0109  
`date time applid` The TCPIPSERVICE `tcpipservice` could not be opened because the port `portnumber` is already in use on the IP address `ipaddress`.

**Explanation**

This message is issued when the open of a TCPIPSERVICE cannot be completed. The port number specified is already in use in combination with the IP address. By default, TCP/IP allows only one server to be listening on a port at any one time.

Specifically, this message is issued when the TCP/IP bind call fails with a return code of EADDRINUSE.

**System action**

The TCPIPSERVICE does not open, but remains closed. An exception trace entry is written detailing the return values from the TCP/IP bind call.

An application using the EXEC API to set the TCPIPSERVICE open receives an RESP(INVREQ) RESP2(9).

**User response**

Check that there are no other TCPIPSERVICES open using the same port number and IP address as the failing one. If there is another TCPIPSERVICE open using the port, it must be closed before the new one can be opened.

If no TCPIPSERVICES are using the requested port, there might be another application acting as a TCP/IP server already listening on the port. Use the TSO command NETSTAT to display TCP/IP servers on the system. Choose an unused port for the TCPIPSERVICE.

If your system has more than one TCP/IP stack you can specify another stack’s IP address on the TCPIPSERVICE definition. This will allow you to install multiple TCPIPSERVICEs each using the same port number. You can also configure support in TCP/IP for virtual IP addresses on a single system. This will also allow more than one TCPIPSERVICE to share the same port.

Finally, TCP/IP can be configured with port sharing. This allows multiple servers (TCPIPSERVICES) to use the same port with TCP/IP using load balancing to direct incoming connections to the set of servers on the port. If port sharing is enabled, multiple TCPIPSERVICEs can each be opened on the same IP address with the same port, if port sharing is supported by the protocol specified in the TCPIPSERVICE resource definition.

**Module:** DFHSOCK

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tcpipservice`
5. `portnumber`
6. `ipaddress`

**Destination**

CSOO

DFHSO0110  
`date time applid` The TCPIPSERVICE `tcpipservice` cannot be opened on the IP address `ipaddress` because the address is unknown to TCP/IP.

**Explanation**

Opening the TCPIPSERVICE has failed because the IP address specified on the definition is not known to TCP/IP.

This message is issued when the TCP/IP bind call fails with the return value of EADDRNOTAVAIL.

**System action**

The IP address must be a valid address known to TCP/IP. It must also be an address that the TCP/IP stack supports. IPv6 addresses can only be supported
if the stack is dual-mode and therefore supports IPv4 and IPv6 addresses. It is possible to configure multiple TCP/IP stacks for a single OS/390 system, or to have virtual IP addresses on a single stack. If the system only has one IP address then the IP address field of the TCPIPSERVICE definition can be left blank, or specified as ANY. This causes the bind to use the default IP address for the system. To use an alternative, a valid address must be specified.

User response

Check that the address specified on the TCPIPSERVICE definition is known to TCPIP on the system.

If you have specified a low IPv6 address, that is, the address has leading zeros in the first six or more segments, CICS stores and displays the IPv6 address in IPv4 format.

If IPv6 addresses are being used, check that the TCP/IP stack supports IPv6. See the z/OS Communications Server IP Diagnosis Guide on using Netstat to find information about the stack.

Module:
DFHSOCK

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tcpipservice
5. ipaddress

Destination
CSOO

DFHS00112 date time applid TCPIPSERVICE tcpipservice cannot be opened because TCPIP status is not OPEN.

Explanation

Opening the TCPIPSERVICE has failed because TCPIP is currently not open. Either TCPIP=NO has been specified in the SIT or TCPIP has been dynamically closed using CEMT or an SPI command.

System action

The TCPIPSERVICE is not opened. If an application has used the EXEC API to open the TCPIPSERVICE, it receives RESP(INVREQ) RESP2(4) values.

User response

Open TCPIP and re-open the TCPIPSERVICE.

Module:
DFHSORD
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tcpipservice

Destination

CSOO

**DFHS00113**

**applid** The IP address **ip_address** cannot be resolved to a host name by the BPX1GNI function. UNIX System Services return code **X'retcode'**, reason code **X'rc'**.

Explanation

CICS has issued the Unix System Services function BPX1GNI to resolve the IP address **ip_address** to a host name, but the call failed.

System action

An exception trace entry is made. CICS will continue to attempt to access the name server for subsequent requests.

User response

The BPX1GNI function will usually perform a name server reverse lookup to resolve the IP address into a host name. This can fail if CICS is unable to contact a name server.

If a SYSTCPD DD name has been defined in the CICS job, check that the file it references correctly defines the name server. If SYSTCPD is not used, then check that the name server defined to TCP/IP in the /etc/resolv.conf file is valid and responding correctly. You can issue the TSO NSLOOKUP command to query the name server. If the name server is defined correctly to CICS, then contact the administrator to determine why the IP address lookup failed.

The TCP/IP RESOLVERTIMEOUT parameter can be used to control the duration of a BPX1GNI call.

Module:

DFHSO0IS

XMEOUT parameters/Message inserts

1. applid
2. ip_address
3. X'retcode'
4. X'rc'

Destination

Console

**DFHS00114**

date time applid The socket listener cannot attach the transaction **transaction**,** tcpipservice** will be closed.

Explanation

The TCP/IP listener task has received a connection from a client but the attach for the transaction associated with the TCPIPSERVICE definition has failed. The associated transaction may not have been installed or the TCPIPSERVICE definition could have specified the wrong transaction.

System action

The TCPIPSERVICE that is defined on the port that the connection arrived on is closed. The socket accepted for the client is closed.

User response

Determine why the attach for the transaction has failed. Correct the error and re-open the TCPIPSERVICE.

Module:

DFHSOCK

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. transaction
5. tcpipservice

Destination

CSOO

**DFHS00115**

date time applid CICS has registered the group name **groupname** with Workload Manager. The TCP/IP host name **genericname** will become available for DNS connection optimization.

Explanation

The group name has been registered with Workload Manager for Domain Name Service (DNS) connection optimization. This occurs when a TCPIPSERVICE is
opened where its name begins with the character 'D'. The new generic TCP/IP host name becomes available for clients to use to access the CICS system, and any others that have registered with the named group name.

**System action**

CICS has issued the Workload Manager macro IWMSRSG to register the specified group name for DNS connection optimization. This only occurs when the name of the TCPIPSERVICE begins with a 'D'. Workload manager registration only occurs once for a given group name. If multiple TCPIPSERVICES define the same group name, then registration will only occur once.

The group name registered is taken from a combination of part of the name of the TCPIPSERVICE and the transaction defined for the TCPIPSERVICE. Any characters of the name following a dot '.' are concatenated with the transaction identifier to form the group name. For example, a TCPIPSERVICE has the name D1.CICS and is defined with the transaction IIOP (the IIOP transaction being an alias of the CICS-supplied CIRR transaction). The group name generated is 'CICSIIOP'. If the TCPIPSERVICE name does not contain a dot, then only the transaction identifier is used. For example, a TCPIPSERVICE with a name of 'DYNWEB' and a transaction of WWW will generate a registration for the group 'WWW'.

The group name registered effectively becomes a new name in the sysplex TCP/IP domain. When multiple CICS systems in a sysplex each register with the same group name, the DNS server uses Workload Manager to resolve the group name into one of the IP addresses of the associated systems. The IP address returned is that of the system that is most eligible according to Workload Manager's load balancing rules. For example, two OS/390 systems in a sysplex are mvs1.plex.hursley.ibm.com and mvs2.plex.hursley.ibm.com; and on each system, CICS registers with the group name cicsiio. The new name cicsiio.plex.hursley.ibm.com is dynamically added to the DNS name server’s tables. Client TCP/IP applications can use this name instead of the name of one of the specific OS/390 images. When a client resolves the name to an IP address using the DNS, it will get the IP address of the most eligible system. Since the DNS dynamically knows when systems register and deregister, additional CICS systems can be registered as required to expand the list of available IP addresses returned for a group name. If a system fails, its IP address will be removed from the DNS server's list of associated addresses for any groups with which it was registered.

**User response**

No user action is necessary.

**Module:** DFHSOCK

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *groupname*
5. *genericname*

**Destination**

CSOO

**DFHS00116** *date time applid CICS has deregistered the group name groupname with Workload Manager.*

**Explanation**

The group name has been deregistered from Workload Manager. This CICS system will no longer participate in connection optimization in the group specified. This occurs when a TCPIPSERVICE is closed where its name begins with a 'D'.

**System action**

The Workload Manager IWMSRDRS call is made to deregister the group name. This will remove the IP address of the system from the table of the DNS server that is associated with the group name.

If more than one open TCPIPSERVICE share the same group name, then the WLM deregistration only occurs when the last one is closed.

**User response**

Check the availability of the name server.

**Module:** DFHSOCK

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *groupname*
Unable to determine the TCP/IP host name. UNIX System Services return code 'X'retcode', reason code 'X'rc'.

Explanation
A gethostname call has received a non-zero return code/reason code during Listener initialization or has returned a blank hostname.

System action
Listener initialization continues.

User response
Determine the reason for the gethostname failure. The return code and reason code included in the message text are described in the z/OS UNIX System Services Messages and Codes manual.

Module: DFHSOLS

XMEOUT parameters/Message inserts
1. applid
2. X'retcode'
3. X'rc'

Unable to register service servicename for WLM DDNS on host hostname.

Explanation
During activation of a TCPIPSERVICE, the Sockets Domain was unable to locate a TCP/IP hostname. Without a hostname, CICS cannot obtain the information necessary for registration with WLM DDNS.

System action
TCPIPSERVICE activation continues, but this service is not registered with WLM DDNS.

User response
Determine why no hostname was returned. Message DFHSO0113 may have preceded this message. Once the problem has been rectified, re-install the TCPIPSERVICE.

Module: DFHSOLS
XMEOUT parameters/Message inserts

1. applid
2. servicename
3. hostname

Destination
Console

DFHS00120 applid numtcbs TCBs are initialized for SSL processing.

Explanation
The specified number (numtcbs) of TCBs have been attached and initialized to perform Secure Sockets Layer processing for CICS.

System action
CICS can handle numtcbs simultaneous SSL sessions.

User response
None.

Module:
DFHSOSE

XMEOUT parameters/Message inserts

1. applid
2. numtcbs

Destination
Console

DFHS00121 applid No TCBs have been initialized for SSL processing. Secure Sockets Layer has been deactivated.

Explanation
CICS requires at least one TCB to be successfully initialized to handle the TCP/IP Secure Sockets Layer, but it has been unable to initialize any.

System action
CICS cannot handle any SSL sessions, so attempts to open TCPIPSERVICEs which specify SSL(YES) or SSL(CLIENTAUTH) will fail.

User response
If this message occurs frequently, consider raising the value of the MAXSSLTCBS system initialization parameter.

Module:
DFHSOSE

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. ipaddr
5. service

Destination
CSOO

User response
The REGION size of the CICS address-space is probably too small to allow CICS Secure Sockets Layer to be initialized. Restart CICS with a larger REGION size. None.

Module:
DFHSOSE

XMEOUT parameters/Message inserts

1. applid

Destination
Console

DFHS00122 date time applid SSL request from ipaddr on TCPIPSERVICE(service) rejected because of insufficient TCBs.

Explanation
An Secure Sockets Layer connection from a client with address ipaddr was received on TCPIPSERVICE(service), but there were no available TCBs to process the request.

System action
The socket for the connection is closed. No message is sent to the client because the client expects the response to be encrypted by SSL, but SSL services cannot be provided.

User response
If this message occurs frequently, consider raising the value of the MAXSSLTCBS system initialization parameter.
Explanation

A non-zero return code rc was received from the specified function of the z/OS System SSL service. A brief interpretation of the return code is shown. The service was processing a connection with a partner at IP address peeraddr to TCPIPSERVICE tcpipservice. When the error reason is certificate related the CERTIFICATE named on the TCPIPSERVICE resource is checked.

System action

The secure sockets operation is abandoned. A sockets domain severe error message, DFHSO0002, may be produced with error code X'080C'.

User response

If this message is not accompanied by message DFHSO0002, the error is probably due to some unexpected action by the connected partner, and this message is for information only. If this message is accompanied by message DFHSO0002, the error is probably due to some sort of configuration error. If the message shows Peer: 0.0.0.0, TCPIPSERVICE: *NONE* the error is probably due to a PERFORM SSL REBUILD failure. A PERFORM SSL REBUILD failure should preserve the old SSL environment. Use the description in the message to determine what is wrong. For descriptions of the return code rc (which is in decimal and may need converting to hex), see z/OS Cryptographic Services: System SSL Programming, SC24-5901. For further guidance see the CICS documentation.

If the brief interpretation of the return code is Certificate date invalid the certificate may either have expired or be not yet valid, and may refer to either the local certificate or the remote partner’s certificate.

If the brief interpretation of the return code is No certificate available the certificate may have been recently added to the keyring. Issue a PERFORM SSL REBUILD to refresh the SSL environment.

If the brief interpretation of the return code is Certificate validation failed then either the server or client certificate (if client certificates are being used) is invalid.

Module:

DFHSOSE

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. `rc`
5. Value chosen from the following options:
   - 0=unknown,
   - 11=gsk_environment_init,
   - 12=gsk_environment_open,
   - 13=gsk_environment_close,
   - 14=gsk_secure_socket_init,
   - 15=gsk_secure_socket_open,
   - 16=gsk_secure_socket_close,
   - 17=gsk_secure_socket_read,
   - 18=gsk_secure_socket_write,
   - 19=gsk_attribute_set_buffer,
   - 20=gsk_attribute_set_callback,
   - 21=gsk_attribute_set_enum,
   - 22=gsk_attribute_set_numeric_value
6. Value chosen from the following options:
   - 0=Unrecognized return code,
   - 1=Key database not found,
   - 2=Key database access not authorized,
   - 3=Invalid password for key database,
   - 4=Expired password for key database,
   - 5=Stashed password file not found,
   - 6=Session timeout value is invalid,
   - 7=An I/O error occurred,
   - 8=An unknown error occurred,
   - 16=Invalid distinguished name,
   - 18=No common ciphers negotiated,
   - 19=No certificate available,
   - 20=Root certificate authority not supported,
   - 21=SSL protocol or certificate type is not supported,
   - 22=Invalid certificate signature,
   - 23=SSL protocol violation,
   - 24=Not authorized,
   - 25=Self-signed certificate,
   - 26=Invalid session state,
   - 27=Handle creation failed,

7. `peeraddr`
8. `tcpipserice`

**Destination**

**CSOO**

**DFHSO0124**  
**APPLID** The MAXSOCKETS system initialization parameter has a value of `mmmmmm` which exceeds the MAXFILEPROC value of `nnnnn`. The MAXSOCKETS value has been set to the lower value.

**Explanation**

The value specified in the MAXSOCKETS system initialization parameter is greater than the value.
specified in the z/OS UNIX System Services MAXFILEPROC option.

CICS has attempted to set the MAXSOCKETS value higher than the MAXFILEPROC value, but has been unable to do so because the userid under which CICS is running does not have superuser authority.

System action
CICS continues execution with the MAXSOCKETS value set equal to the MAXFILEPROC value.

User response
You may:
• Restart CICS with a value of MAXSOCKETS that does not exceed MAXFILEPROC. This will limit the number of sockets that CICS can have active at one time.
• Increase the MAXFILEPROC value and then restart CICS. This will affect all z/OS UNIX System Services processes in this system.
• Restart CICS with a userid that has superuser authority.

Module:
DFHSOIS

XMEOUT parameters/Message inserts
1. APPLID
2. mmmmm
3. nnnnn

Destination
Console

DFHS00125  APPLID  The MAXSOCKETS parameter retrieved from the catalog has a value of mmmmm which exceeds the MAXFILEPROC value of nnnnn. The MAXSOCKETS value has been set to the lower value.

Explanation
The value of the MAXSOCKETS system initialization parameter retrieved from the catalog during a warm or emergency restart is greater than the value specified in the z/OS UNIX System Services MAXFILEPROC option. CICS has attempted to set the MAXSOCKETS value higher than the MAXFILEPROC value, but has been unable to do so, because the userid under which CICS is running does not have superuser authority.

This situation may arise when:
• CICS was previously running under a userid that had superuser authority, but has restarted under a different userid
• CICS was previously running under a userid that had superuser authority, but the authority was changed before CICS restarted
• CICS was previously running under a userid that did not have superuser authority, and the value of MAXFILEPROC was reduced before CICS restarted.

System action
CICS continues execution with the MAXSOCKETS value set equal to the MAXFILEPROC value.

User response
You may:
• Restart CICS with a value of MAXSOCKETS that does not exceed MAXFILEPROC. This will limit the number of sockets that CICS can have active at one time.
• Increase the MAXFILEPROC value and then restart CICS. This will affect all z/OS UNIX System Services processes in this system.
• Restart CICS with a userid that has superuser authority.

Module:
DFHSOIS

XMEOUT parameters/Message inserts
1. APPLID
2. mmmmm
3. nnnnn

Destination
Console

DFHS00126  applid  An attempt to create a tcpip socket has failed because the MAXSOCKETS limit has been reached.

Explanation
An attempt to create a tcpip socket has failed as the number of open sockets in the system would exceed the current MAXSOCKETS value.

System action
The socket is not opened and failure is reported.
User response

If this behaviour is undesirable, use CEMT SET TCPIP to increase the number of sockets in the system.

Module:
DFHSOMG

XMEOUT parameters/Message inserts

1. applid

Destination

Console

DFHS00128A  applid Information to specify a bind to an LDAP server cannot be obtained from the PROXY segment of CRLPROFILE profile.

Explanation

The CRLPROFILE system initialization parameter has been specified, but the information required by CICS and System SSL to perform a bind to an LDAP server cannot be obtained from the profile that it identifies.

CICS has attempted to extract the following information from the PROXY segment of the profile profile in the LDAPBIND class of the external security manager's database:

LDAPHOST

The Uniform Resource Locator (URL) of an LDAP server that contains certificate revocation information

BINDDN

The LDAP distinguished name of a user who is authorized to access certificate revocation lists in the specified LDAP server

BINDPW

The password used to authenticate the user specified by BINDDN.

Either the specified profile does not exist, or CICS does not have authority to access the profile, or one or more of the required components are missing from the profile.

System action

The CICS SSL function cannot retrieve certificate revocation lists to determine whether certificates have been revoked. To prevent further error messages, the CRLPROFILE function has been disabled. Therefore CICS will be unable to check whether SSL certificates are revoked.

User response

Ensure that the profile profile in the LDAPBIND class of the security manager is defined with a PROXY segment that contains all three required components. Also ensure that the CICS region userid had READ access to the profile, then restart CICS.

Module:
DFHSOSE

XMEOUT parameters/Message inserts

1. applid

2. profile

Destination

Console

DFHS00129A  applid The LDAP server whose name was obtained from CRLPROFILE is inactive. Certificate revocation checks have been disabled.

Explanation

The LDAP server, whose name was obtained from the PROXY segment of the external security manager’s profile specified by the CRLPROFILE system initialization parameter, cannot be accessed.

System action

The CICS SSL function cannot retrieve certificate revocation lists to determine whether certificates have been revoked. To prevent further error messages, the CRLPROFILE function has been disabled. CICS will not make any further attempts to acquire certificate revocation lists from the LDAP server. Therefore CICS will be unable to check whether SSL certificates are revoked.

User response

To re-enable certificate revocation list checking, the LDAP server specified within the CRLPROFILE must be restarted. All CICS systems, that specify a CRLPROFILE definition that references this server, must then also be restarted.

Module:
DFHSOSE

XMEOUT parameters/Message inserts

1. applid
A TCP/IP ACCEPT call has failed. The TCPIPSERVICE tcpipservice on port portnumber at IP address ipaddress will be closed. The values returned are bpx_return_value, bpx_return_code, and bpx_reason_code.

Explanation
A TCP/IP ACCEPT call has returned an error.

System action
An exception trace entry is made in the trace table. No system dump is taken, unless you have specifically requested a dump in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate.

The TCPIPSERVICE tcpipservice on port portnumber at the specified IP address is shutdown. When this shutdown is complete message DFHSO0108 is issued.

The return value, return code and reason code reported by Unix System Services are displayed to aid with diagnostics.

User response
Determine the reason for the ACCEPT failure. The return code and reason code included in the message text are described in the z/OS UNIX System Services Messages and Codes manual. A possible cause of this error is if TCP/IP has reached MAXSOCKETS. Check the system console for any messages issued by TCP/IP and take the recovery action indicated.

The TCPIPSERVICE tcpipservice is closed, and after the TCP/IP problem has been resolved, the closed TCPIPSERVICE should be reopened.

Module: DFHSOLS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tcpipservice
5. portnumber
6. ipaddress
7. bpx_return_value
8. bpx_return_code
9. X'bpx_reason_code'

Destination
Console

DFHSO0131 date time applid The TCPIPSERVICE tcpipservice cannot be opened on the IP address ipaddress because the maximum number of ports has been reached.

Explanation
Opening the TCPIPSERVICE has failed because the maximum number of ports allowed has been reached.

This message is issued when the TCP/IP bind call fails with the return value of EADDRNOTAVAIL and reason code X'744C7231'.

System action
The request to open the TCPIPSERVICE will fail until a port becomes available.

User response
The request should be retried when a port is available.

Module: DFHSOCK

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tcpipservice
5. ipaddress

Destination
CSOO

DFHSO0132 An invalid function has been passed to DFHSOLX.

Explanation
An internal error has been detected in the Socket TCP/IP exit program. The function passed to DFHSOLX could not be recognized.
System action
CICS issues this message which could be used to trap the error and take a dump for further diagnosis.

User response
You may need further assistance from IBM to solve this problem.

Module: DFHSOLX

Destination
Console

DFHS00133 date time applid TCP/IPSERVICE tcpipservice has been installed.

Explanation
This is an audit log message indicating that TCP/IPSERVICE tcpipservice has been added to the system using the INSTALL command.

System action
The system continues normally.

User response
None.

Module: DFHSOAD

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tcpipservice

Destination
CS00

DFHS00134A applid TCP/IPSERVICE tcpipservice was not restored because certificate certificate {is expired / is not yet current / does not have a private key / is not trusted / is not found}

Explanation
TCP/IPSERVICE tcpipservice was valid when the resource was installed, but invalid when CICS restarted because the certificate is unusable. An explanatory phrase in the message describes why:

is expired
The date and time at which the certificate is no longer valid has already passed.

is not yet current
The date and time at which the certificate is to become active has not yet been reached.

does not have a private key
The specified certificate does not have a private key.
This error may occur if the user does not have access to the private key due to a lack of authority to access IRR.DIGTCERT.GENCERT.

is not trusted
The certificate has been given the NOTRUST attribute by the security administrator. This indicates that the certificate is not to be used.

is not found
The certificate is not found.

System action
The TCPIPSERVICE is not restored from the catalog.

User response
Replace the certificate in the keyring with one that is usable, or specify a different certificate. Then reinstall TCPIPSERVICE tcpipservice manually.

For a message insert of 'does not have a private key' check the system log for RACF messages that indicate a lack of authority to access IRR.DIGTCERT.GENCERT.

Module: DFHSOTD

XMEOUT parameters/Message inserts
1. applid
2. tcpipservice
3. certificate
4. Value chosen from the following options:
   1=is expired,
   2=is not yet current,
   3=does not have a private key,
   4=is not trusted,
   5=is not found
An attempt to switch to an S8 SSL TCB has failed because the request has timed out.

**System action**
The SSL request is not performed and the task is purged.

**User response**
Increase the number of S8 SSL TCBs available to the CICS sockets domain by changing the MAXSSLTCBS value, either in the SIT or via the CEMT SET DISPATCHER command.

**Module:** DFHSOSE

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`

**Destination**
CSCO

**DFHSO0136 W**

`applid` A PERFORM SSL REBUILD command has completed successfully.

**Explanation**
The SSL environment has been successfully rebuilt to reflect the current state of the key ring.

**System action**
All subsequent SSL handshakes will use certificates from the updated key ring.

**User response**
None.

**Module:** DFHSOSE

**DFHSO0137**

`date` `time` `applid` BUNDLE `bundlename` has successfully installed TCPIPSERVICE `tcpipservice` as `{Enabled | Disabled}`.

**Explanation**
The CICS bundle `bundlename` has successfully installed `tcpipservice`.

**System action**
CICS continues normally.

**User response**
None.

**Module:** DFHSOR

**DFHSO0138**

`date` `time` `applid` BUNDLE `bundlename` has failed to install TCPIPSERVICE `tcpipservice` because `{the definition is invalid | of an installation failure | an internal error occurred}`.
Explanation

The CICS bundle *bundlename* has failed to install TCPIPSERVICE *tcpipservice* The reason for the error is also given.

System action

The BUNDLE resource is disabled and the TCPIPSERVICE is not created.

User response

Investigate and correct the cause of the failure. Check for any previous messages which may give you more information about the reason for the failure as follows:

**definition is invalid**

Check for a preceding DFHCAnnnn message. For example DFHCA5501 if the required attribute PORTNUMBER is not specified.

**installation failure**

Check for a preceding DFHAMnnnn console message. For example DFHAM4950 is output if a TCPIPSERVICE with the same name already exists.

Discard and reinstall the BUNDLE resource.

Module:

DFHSORM

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. bundlename
5. tcpipservice
6. Value chosen from the following options:

   1=the definition is invalid,
   2=of an installation failure,
   3=an internal error occurred

Destination

CSOO

**DFHS00140**

`DATE TIME APPLID IMMCLOSE`

request for TCPIPSERVICE *tcpipservice* has been rejected.

Explanation

TCPIPSERVICE *tcpipservice* is defined in a BUNDLE resource. The BUNDLE must be disabled before the IMMCLOSE action can be performed on the TCPIPSERVICE.

System action

The TCPIPSERVICE can not be closed.

User response

Disable the BUNDLE, if this action fails to close the TCPIPSERVICE then consider reissuing the IMMCLOSE request.

Module:

DFHSOTD

XMEOUT parameters/Message inserts

1. `DATE`
DFHS00141  
**DATE TIME APPLID**  
Parse of ciphers file *cipherfile* has failed.

**Explanation**

An attempt to parse a file which should contain cipher suite codes has failed.

**System action**

It is not possible to enable resources which depend on the ciphers file.

**User response**

Ensure that the ciphers file is valid and in the correct location on zFS. Depending on the error detected in the cipher file, a DFHPxxxx message is issued. This message gives more information concerning the XML error. Refer to this message for information to assist in correcting the cipher file.

**Module:**  
DFHSOIS

---

**XMEOUT parameters/Message inserts**

1. **DATE**  
2. **TIME**  
3. **APPLID**  
4. **cipherfile**

---

**Destination**  
C506

**DFHS00142A**  
**applid** TCPIPSERVICE *tcpipservice* was not restored because its cipher list could not be installed.

**Explanation**

The ciphers list that was specified on TCPIPSERVICE *tcpipservice* was valid when the resource was installed, but invalid when CICS restarted.

**System action**

The TCPIPSERVICE is not restored from the catalog.

**User response**

Investigate why the ciphers list has become invalid and replace it with a valid ciphers list. Then reinstall TCPIPSERVICE *tcpipservice* manually.

**Module:**  
DFHSOTD

---

**XMEOUT parameters/Message inserts**

1. **applid**  
2. **tcpipservice**

**Destination**  
Console

**DFHS00143A**  
**applid** Opening TCPIPSERVICE *tcpipservice* has failed because its specific TCPIPSERVICE *speciftcp* is not installed.

**Explanation**

Opening TCPIPSERVICE *tcpipservice* has failed because the specific TCPIPSERVICE *speciftcp* it requires is not installed.

**System action**

The resource is installed but left in the closed state.

**User response**

Consider renaming the generic TCPIPSERVICE so that it is found in the catalog after the specific TCPIPSERVICE that it references.

**Module:**  
DFHSODM

---

**XMEOUT parameters/Message inserts**

1. **applid**  
2. **tcpipservice**  
3. **speciftcp**

**Destination**  
Console and Terminal End User

**DFHS00144**  
**applid** MINTLSLEVEL has been set to TLS12 to honour NISTSP800131A=CHECK.
**Explanation**

The MINTLSLEVEL system initialization parameter should be TLS12 when NISTSP800131A=CHECK.

**System action**

MINTLSLEVEL is set to TLS12.

**User response**

None. The NISTSP800131A=CHECK SIT parameter requires MINTLSLEVEL=TLS12. Change MINTLSLEVEL to TLS12 and this message will not appear.

**Module:** DFHSODM

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

**DFHS00145 W**  

**DATE TIME APPLID** An installation using ciphers cipherlist remove: cipherlist. ciphersourcetype has resulted in number ciphers being removed from the cipher list.

**Explanation**

Whilst installing a resource using a ciphers list or file to specify the ciphers to use, a number of the ciphers have been removed because they are not supported by system SSL in the security environment requested for this CICS region.

This message will be followed by one or more DFHS00146 messages listing the ciphers.

**System action**

As long as one cipher in the list is valid, the install proceeds successfully.

**User response**

Ensure that the ciphers list or file only specifies valid ciphers.

**Module:** DFHSOIS

**XMEOUT parameters/Message inserts**

1. DATE
2. TIME
3. APPLID
4. ciphersourcetype
5. cipherlist
6. number

**Destination**

CSOO

**DFHS00146 I**  

**DATE TIME APPLID** Ciphers

**Explanation**

This message follows message DFHS00145 listing the ciphers that are not supported.

**System action**

As long as one cipher in the list is valid, the install proceeds successfully.

**User response**

Ensure that the ciphers list or file only specifies valid ciphers.

**Module:** DFHSOIS

**XMEOUT parameters/Message inserts**

1. DATE
2. TIME
3. APPLID
4. cipherlist

**Destination**

CSOO

**DFHS00147 W**  

**applid** A non-secure client connection has been received for ATTLSAWARE TCPIPSERVICE tcpipsservice. Client IP address: clientaddr. TTLS_IOCTL value X'ttlsioctl'

**Explanation**

The TCP/IP listener task has received a connection from a client that is not secure. The TCPIPSERVICE is defined with SSL(ATTLSAWARE) so new connections must be secured by AT-TLS.
**System action**

CICS always sends an HTTP 403 error response to the client for a non-secure connection on an SSL(ATTLSAWARE) TCPIPSERVICE. This message is only ever issued once per active TCPIPSERVICE.

**User response**

You should make sure that the port used by the TCPIPSERVICE has been secured by an active AT-TLS policy.

If after receiving this message you activate AT-TLS for the TCPIPSERVICE port, you should close and re-open the TCPIPSERVICE.

**Module:**

DFHSOLS

**XMEOUT parameters/Message inserts**

1. applid
2. tcpipservice
3. clientaddr
4. X'ttlsioctl'

**Destination**

Console

**Explanation**

The SSL(ATTLSAWARE) TCPIPSERVICE tcpipservice has been opened. SIT parameter NISTSP800131A=CHECK is set which requests conformance to the NIST SP800-131A security standard.

This warning message is issued because the cryptographic environment to support this TCPIPSERVICE has been configured by an AT-TLS policy. You should ensure that this policy conforms to the NIST SP800-131A security standard.

**System action**

CICS continues.

**User response**

Refer to the NIST SP800-131A section of the CICS product documentation for advice on how to handle NIST SP800-131A compliance.

---

**Module:**

DFHSOLS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tcpipservice

**Destination**

CSOO

**Explanation**

The TCP/IP listener task has received a connection from a client that has been secured by an AT-TLS policy which uses CLIENTAUTHTYPE(PASSTHRU). CICS TCPIPSERVICE definitions defined with SSL(ATTLSAWARE) do not support the CLIENTAUTHTYPE of PASSTHRU as this setting bypasses certificate validation.

**System action**

CICS closes the client connection and also closes the TCPIPSERVICE.

**User response**

You should make sure that the port used by the TCPIPSERVICE is been secured by an AT-TLS policy which does not use CLIENTAUTHTYPE(PASSTHRU).

**Module:**

DFHSOLS

**XMEOUT parameters/Message inserts**

1. applid
2. tcpipservice
3. X'ttlsioctl'

**Destination**

Console

**Explanation**

The use of TCPIPSERVICE tcpipservice may result in a violation of NIST SP800-131A.

The SSL(ATTLSAWARE) TCPIPSERVICE tcpipservice has been detected for ATTLSAWARE TCPIPSERVICE tcpipservice. TTLS_IOCTL value X'ttlsioctl'. The TCPIPSERVICE will be closed.

**System action**

CICS closes the client connection and also closes the TCPIPSERVICE.

**User response**

You should make sure that the port used by the TCPIPSERVICE is been secured by an AT-TLS policy which does not use CLIENTAUTHTYPE(PASSTHRU).
the KEYRING has no default certificate.

**Explanation**
The TCPIPSERVICE tcpipservice was valid when the resource was installed, but invalid when CICS restarted. This message is issued because the TCPIPSERVICE has no certificate label specified in the CERTIFICATE attribute, and no default certificate exists in the keyring for this CICS system.

**System action**
The TCPIPSERVICE is not restored from the catalog.

**User response**
Either specify a valid certificate label in the CERTIFICATE attribute for the TCPIPSERVICE or designate one of the certificates in the keyring as a default.

**Module:** DFHSOTD

**XMEOUT parameters/Message inserts**
1. applid
2. tcpipservice

**Destination**
Console

DFHS00151A   applid TCPIPSERVICE tcpipservice was not restored because its host hostname is unknown.

**Explanation**
The certificate that was specified on TCPIPSERVICE tcpipservice contained an unknown host name at the time of the installation.

**System action**
The TCPIPSERVICE is not restored from the catalog.

**User response**
Investigate why the certificate has an unknown host. Then reinstall TCPIPSERVICE tcpipservice manually.

**Module:** DFHSOTD

**XMEOUT parameters/Message inserts**
1. applid
2. tcpipservice
3. hostname

**Destination**
Console

DFHS00200I   applid The CICS socket listener task is now accepting inbound TCP/IP connections.

**Explanation**
The CICS socket listener task, CSOL, is now able to accept new inbound TCP/IP connections.

**System action**
User tasks can now be attached to process requests arriving on inbound TCP/IP connections.

**User response**
None.

**Module:** DFHSOLS

**XMEOUT parameters/Message inserts**
1. applid

**Destination**
Console

DFHS00200I   applid The CICS socket listener task has stopped accepting new inbound HTTP connections.

**Explanation**
The CICS socket listener task, CSOL, is no longer accepting new inbound connections for TCPIPSERVICExes that have PROTOCOL(HTTP). This happens during the early stages of CICS shutdown. Any existing connections can continue to process HTTP requests sent over them.

**System action**
CICS shutdown continues.

**User response**
None.
**Module:** DFHSOLS

**DFHSOLS**

**XMEOUT parameters/Message insert**

1. **applid**

**Destination**

Console

**DFHSO0202I** applid The CICS socket listener task has stopped accepting all inbound TCP/IP connections.

**Explanation**

The CICS socket listener task, CSOL, is no longer accepting new inbound connections. The listener sockets for all OPEN TCPIPSERVICEs have now been closed. This happens during CICS shutdown or as part of the SET TCPIP CLOSED or SET TCPIP IMMCLOSED commands.

**System action**

CICS shutdown or SET TCPIP processing continues.

**User response**

None.

**Module:** DFHSOLS

**DFHSO0223** date time applid Return code rc received from function {unknown | gsk_environment_init | gsk_environment_open | gsk_environment_close | gsk_secure_socket_init | gsk_secure_socket_open | gsk_secure_socket_close | gsk_secure_socket_read | gsk_secure_socket_write | gsk_attribute_set_buffer | gsk_attribute_set_callback | gsk_attribute_set_enum | gsk_attribute_set_numeric_value} of System SSL. Reason: {Unrecognized return code | Key database not found | Key database access not authorized | Invalid password for key database | Expired password for key database | Stashed password file not found | Session timeout value is invalid | An I/O error occurred | An unknown error occurred | Invalid distinguished name | No common ciphers negotiated | No certificate available | Certificate rejected by peer | Root certificate authority not supported | Unsupported operation | Invalid certificate signature | SSL protocol violation | Not authorized | Self-signed certificate | Invalid session state | Handle creation failed | No private key | Untrusted Certificate Authority | Certificate date invalid | Invalid cipher suite | Handshake abandoned by peer | Cannot open key database | Host certificate not yet valid | Certificate parsing error | Certificate is revoked | LDAP server is inactive | Unknown Certificate Authority | Internal error on partner | Unknown alert received | Client authentication alert | Incorrect key usage | Server name not recognized | Bad message length | Cryptographic error detected | Export restriction}. Peer: peeraddr, TCPIPSERVICE: tcpipservice.

**Explanation**

A non-zero return code rc was received from the specified function of the z/OS System SSL service. A brief interpretation of the return code is shown. The service was processing a connection with a partner at IP address peeraddr to TCPIPSERVICE tcpipservice.

**System action**

The secure sockets operation is abandoned. A sockets domain severe error message, DFHSO0002, may be produced with error code X'080C'.

**User response**

If this message is not accompanied by message DFHSO0002, the error is probably due to some unexpected action by the connected partner, and this message is for information only. If this message is accompanied by message DFHSO0002, the error is probably due to some sort of configuration error. If the message shows Peer: 0.0.0.0, TCPIPSERVICE:
*NONE* the error is probably due to a PERFORM
SSL REBUILD failure. A PERFORM SSL REBUILD
failure should preserve the old SSL environment.
Use the description in the message to determine
what is wrong. For descriptions of the return code
rc, see z/OS Cryptographic Services: System SSL
Programming, SC24-5901. For further guidance see
the CICS documentation.

If the brief interpretation of the return code is
Certificate date invalid the certificate may either have expired or be not yet valid, and may refer to either the local certificate or the remote partner’s certificate.

If the brief interpretation of the return code is No
certificate available the certificate may have been recently added to the keyring. Issue a PERFORM SSL
REBUILD to refresh the SSL environment.

**Module:**
DFHSOSE

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. rc
5. Value chosen from the following options:
   0=unknown,
   11=gsk_environment_init,
   12=gsk_environment_open,
   13=gsk_environment_close,
   14=gsk_secure_socket_init,
   15=gsk_secure_socket_open,
   16=gsk_secure_socket_close,
   17=gsk_secure_socket_read,
   18=gsk_secure_socket_write,
   19=gsk_attribute_set_buffer,
   20=gsk_attribute_set_callback,
   21=gsk_attribute_set_enum,
   22=gsk_attribute_set_numeric_value
6. Value chosen from the following options:
   0=Unrecognized return code,
   1=Key database not found,
   2=Key database access not authorized,
   3=Invalid password for key database,
   4=Expired password for key database,
   5=Stashed password file not found,
   6=Session timeout value is invalid,
   7=An I/O error occurred,
   8=An unknown error occurred,
   16=Invalid distinguished name,
   17=No common ciphers negotiated,
   18=No certificate available,
   19=Certificate rejected by peer,
   20=Root certificate authority not supported,
   21=Unsupported operation,
   22=Invalid certificate signature,
   23=SSL protocol violation,
   24=Not authorized,
   25=Self-signed certificate,
   26=Invalid session state,
   27=Handle creation failed,
   28=No private key,
   29=Untrusted Certificate Authority,
   30=Certificate date invalid,
   31=Invalid cipher suite,
   32=Handshake abandoned by peer,
   33=Cannot open key database,
   34=Host certificate not yet valid,
   35=Certificate parsing error,
   36=Certificate is revoked,
   37=LDAP server is inactive,
   38=Unknown Certificate Authority,
   39=Internal error on partner,
   40=Unknown alert received,
   41=Client authentication alert,
   42=Incorrect key usage,
   43=Server name not recognized,
   44=Bad message length,
   45=Cryptographic error detected,
   46=Export restriction
7. peeraddr
8. tcpipservice
A request to z/OS UNIX system services for TCP/IP communications failed. The request was made for IPIC communication with another CICS region using IPCONN ipconn and applid applid. The code X'code' is an SO domain exception trace point ID that identifies what the error is and where the error was detected, for example:

- 0E02 BPX1AIO asyncio failure
- 0E03 BPX1AIO asyncio request failure
- 0E09 BPX1GIV give socket failure
- 0E0C BPX1TAK take socket failure
- 0E0F BPX1GIV get client id failure
- 0E13 BPX1SOC socket failure
- 0E16 BPX1BND bind failure
- 0E19 BPX1LSN listen failure
- 0E1C BPX1GNM get socket name failure
- 0E1F BPX1IOC ioctl failure
- 0E20 BPX1AIO asyncio return failure
- 0E23 BPX1OPT socketopt failure

The impact of this failure depends on the IPIC processing that is being executed at the time. Refer to other messages for IPIC communication using the specified IPCONN to obtain more information.

If IPIC communication using IPCONN ipconn does not subsequently resume normal operation successfully, verify the IPCONN and its related TCPIPSERVICE resource definition have attributes that are correct for your installation. Also, verify these resource definitions are correct in the CICS region that issued this message and the CICS region with which IPIC communication is being attempted. It might also be necessary to verify parameter definitions for z/OS Communications Server are correct for operation of this IPCONN. When doing so consider the z/OS system on which the CICS region that issued this message runs and the z/OS system with which IPIC communication is being attempted.

**Module:**
DFHSOSO

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. X'code'
5. ipconn
6. applid
7. bpx_return_value
8. bpx_return_code
9. X'bpx_reason_code'
• 043A statistics SVC call abended
• 043B statistics SVC call rejected
• 043C statistics NMI INQUIRE failed
• 0CA6 SVC call rejected
• 0CA7 SVC call abended
• 0CA8 NMI INQUIRE failed

NMI INQUIRE is used to obtain the value of z/OS Communications Server TCP/IP parameter SOMAXCONN for use with a TCPIPSERVICE attribute BACKLOG. It is also used to obtain information on socket backlog and connections dropped for TCPIPSERVICE resource statistics.

System action
An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
A possible cause of this error is an incorrect set up of the CICS Type 3 SVC. Verify the CICS Type 3 SVC has been correctly installed. The exception trace entry may tell you the value returned by the CICS Type 3 SVC in register 15. Values other than -1 and 0 indicate a failure with the call to the CICS Type 3 SVC itself. This can occur with an incorrect set up of the CICS Type 3 SVC.

Alternatively if the CICS Type 3 SVC has been correctly installed, this indicates a possible error in CICS code or the called Communications Server TCP/IP NMI request. This can be the case when the value returned in register 15 is -1 or 0. The exception trace entry will tell you which request was called and the response values that were returned. z/OS Communications Server IP Programmer's Guide and Reference provides more information. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

In the case of a failed NMI INQUIRE for obtaining SOMAXCONN (codes 0CA6-8), the value used for a TCPIPSERVICE attribute BACKLOG cannot be set to the value of z/OS Communications Server TCP/IP parameter SOMAXCONN. In the case of a failed NMI INQUIRE for obtaining TCPIPSERVICE resource statistics (codes 043A-C), the statistics will report 0 for the following fields for the appropriate stack:

- SOR_CURR_BACKLOG
- SOR_CURR_MAX_BACKLOG
- SOR_CONNS_DROPPED
- SOR_CONN_LAST_DROPPED

Module: DFHSOLS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'code'
5. modname

Destination
CSOO and Console

DFHSO1002 date time applid CICS is unable to determine the secure state of a new connection received on ATTLSAWARE TCPIPSERVICE tcpipservice from client IP address ipaddress. UNIX System Services values returned are bpx_return_value( bpx_return_value), bpx_return_code( bpx_return_code), and bpx_reason_code( X'bpx_reason_c ode').

Explanation
A web client attempted to connect to a CICS region which is secured by an Application Transparent Transport Layer Security (AT-TLS) aware TCPIPSERVICE.
The socket listener task (CSOL) made a UNIX BPXIOCTL call to obtain information relating to a new connection but the call failed.

If the IP Address is 'UNKNOWN' then the client has already disconnected before CICS could obtain the IP Address.

System action
An exception trace entry is made in the trace table. No system dump is taken, unless specifically requested in the dump table.

CICS continues unless the dump table specifies that CICS should terminate.

The socket accepted for the client is closed.

User response
Refer to the z/OS UNIX System Services Messages and Codes z/OS UNIX System Services Messages and Codes manual to determine the cause of the error.

Module: DFHSOLS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tcpipservice
5. ipaddress
6. bpx_return_value
7. bpx_return_code
8. X'bpx_reason_code'

Destination
CSOO

DFHS01003I applid CICS is using minimum key sizes of 256 (ECC) and 2048 (DH/DSA/RSA) during TLS handshakes.

Explanation
CICS is using a minimum key size of 256 for ECC keys and 2048 for RSA, DSA and Diffie-Hellman keys during TLS handshakes. The following System SSL settings are in effect:

- GSK_CLIENT_ECURVE_LIST=00250024002300300029
- GSK_SERVER_ALLOWED_KEX_ECURVES=00250024002300300029
- GSK_CLIENT_EPHEMERAL_DH_GROUP_SIZE=2048
- GSK_SERVER_EPHEMERAL_DH_GROUP_SIZE=2048
- GSK_PEER_DH_MIN_KEY_SIZE=2048
- GSK_PEER_DSA_MIN_KEY_SIZE=2048
- GSK_PEER_ECC_MIN_KEY_SIZE=256
- GSK_PEER_RSA_MIN_KEY_SIZE=2048

System action
System initialization continues.

User response
The System SSL settings are in effect because feature toggle com.ibm.cics.tls.minimumkeystrength=2048 was set. If the settings are not required then remove the feature toggle. The message can be suppressed with the system initialization parameter MSGLVL=0.

Module: DFHSODM

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHSRnnnnn messages

DFHSR0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in program progname.

Explanation
An abnormal end (abend) or program check has occurred in program progname. Storage protection is active, and CICS was executing in USER key at the time of the abend or program check.

The code aaa is a three digit hexadecimal MVS system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The four digit code bbbb, which follows aaa, is a user abend code, produced either by CICS or by another product on the user's system. Message DFHME0116, which contains the symptom string for this problem, is produced.
System action

An exception trace entry is made giving details of the error. System dump SR0001 is taken unless you have specifically suppressed dumps for that dumpcode in the dump table.

CICS continues and abends the transaction, unless you have specified in the dump table that CICS should terminate. The transaction abend code is ASRA, ASRB, ASRD or ASRE.

User response

As the execution key was USER key, modname is probably a customer application program. Review this program and correct the error.

Note that if the error was an 0C4 program check caused by an attempt to overwrite a CICS DSA, the exception trace entry indicates which DSA the program attempted to overwrite. If this is the case, also refer to the explanation for message DFHSR0622.

For advice on problem determination, refer to the Troubleshooting and support.

Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

If you want to suppress system dumps that precede ASRA, ASRB, ASRD or ASRE abends when the execution key is USER, you must specify this on an entry in the dump table for system dumpcode SR0001. Use either CEMT or an EXEC CICS command. Further guidance on this can be found in the Configuring.

Module: DFHSRP

XMEOUT parameters/Message inserts

1. applid
2. aaa/bbbb
3. X’offset’
4. progsname

Destination

Console

DFHSR0002 applid An abend (code aaa/bbbb) has occurred at offset X’offset’ in program progsname of application application, version applversion, on platform platform.

Explanation

An abnormal end (abend) or program check has occurred in program progsname of application application version applversion, on platform platform. Storage protection is active, and CICS was executing in USER key at the time of the abend or program check.

The code aaa is a three digit hexadecimal MVS system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The four digit code bbbb, which follows aaa, is a user abend code, produced either by CICS or by another product on the user’s system. Message DFHME0116, which contains the symptom string for this problem, is produced.

System action

An exception trace entry is made giving details of the error. System dump SR0001 is taken unless you have specifically suppressed dumps for that dumpcode in the dump table.

CICS continues and abends the transaction, unless you have specified in the dump table that CICS should terminate. The transaction abend code is ASRA, ASRB, ASRD or ASRE.

User response

As the execution key was USER key, modname is probably a customer application program. Review this program and correct the error.

Note that if the error was an 0C4 program check caused by an attempt to overwrite a CICS DSA, the exception trace entry indicates which DSA the program attempted to overwrite. If this is the case, also refer to the explanation for message DFHSR0622.

For advice on problem determination, refer to the Troubleshooting and support.

Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

If you want to suppress system dumps that precede ASRA, ASRB, ASRD or ASRE abends when the execution key is USER, you must specify this on an entry in the dump table for system dumpcode SR0001. Use either CEMT or an EXEC CICS command. Further guidance on this can be found in the Configuring.

Module: DFHSRP

XMEOUT parameters/Message inserts

1. applid
Destination

Console

DFHSR0601  applid Program interrupt occurred with system task taskid in control

Explanation

A program check has been detected in a system task. taskid is the system task identifier (for example, TCP, III) as set in field TCAKCTTA.

System action

CICS abnormally terminates with system dump SR0601 and an exception trace entry which gives the kernel error data for the program check. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Try to discover where and why the first program check occurred. The most likely cause is an error in the application program. The second program check may be due to a CICS error while terminating the task.

For advice on problem determination, refer to the Troubleshooting and support.

Module:

DFHSRP

XMEOUT parameters/Message inserts

1. applid

Destination

Console

DFHSR0603  applid Program interrupt has occurred

Explanation

A program check occurred, and CICS did not attempt to recover, because SRT=NO was specified in the system initialization table or by the operator at startup time.

System action

CICS abnormally terminates with system dump SR0603 and an exception trace entry giving the kernel error data for the program check. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Initially, check that the specification of SRT=NO is correct. If it is incorrect, change it as described in the Configuring.

For advice on problem determination, refer to the Troubleshooting and support.

Module:
DFHSRP

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**

Console

**DFHSR0605**  
*applid  Error from KE Domain - DFHSRP initialization*

**Explanation**

Module DFHSRP has detected a severe error during the initialization phase of CICS. It is unlikely that any recovery functions can run until the error is found and corrected.

**System action**

CICS abnormally terminates. A system dump (dumpcode SR0605) can be taken with this message depending on the abend code. An exception trace entry is produced giving the kernel error data for the abend.

**User response**

Use the dump to determine the abnormal termination, and to investigate its cause.

**Module:**

DFHSRP

**XMEOUT parameters/Message inserts**

1. **applid**

2. **aaa/bbbb**

**Destination**

Console

**DFHSR0612**  
*applid Abend recovery has been entered by same task*

**Explanation**

An operating system abnormal termination occurred. CICS started to abend the task with abend code ASRB when another operating system abnormal termination occurred. As this is a potentially recursive situation, DFHSRP terminates CICS.

**System action**

CICS abnormally terminates with system dump SR0612 and exception trace entries giving the kernel error data for each operating system abend. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

The most likely cause of the second operating system abend is an error in a global user exit program running at the XSRAB exit. This is the global user exit that can be invoked when an abend code is found in the SRT. If such a program was running, determine the cause of the second abend and take steps to prevent a recurrence.
Note that this message will also be issued if a global user exit program running at the XSRAB exit gets into a loop (runaway), or issues an unknown XPI call (kernerror). The second exception trace entry should help to diagnose this.

For advice on problem determination, see the Troubleshooting and support.

**Module:** DFHSRP

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

DFHSR0613 applid Abend has occurred with system task taskid in control

**Explanation**

An operating system abnormal termination has been detected in a system task. taskid is the system task identifier (for example, TCP, III) as set in field TCAKCTTA.

**System action**

CICS abnormally terminates with system dump SR0613 and an exception trace entry giving the kernel error data for the operating system abend. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

The most likely cause of the program check is an error in a global user exit program running at the XSRAB exit. This is the global user exit that can be invoked when an abend code is found in the SRT. If such a program was running, determine the cause of the program check and correct it.

For advice on problem determination, refer to the Troubleshooting and support.

**Module:** DFHSRP

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

DFHSR0618 applid An illegal macro call or reference to the CSA or TCA has caused the abend which follows

**Explanation**

A user program was executing which either contains an assembler macro which is no longer supported, or refers illegally to the CICS TCA or CSA, or has not been link-edited with the appropriate exec interface stubs. This error appears as an 0C4 program check.

**System action**

Either The transaction abends with abend code ASRD. This message is followed by message DFHAP0001 or DFHSR0001 which gives the name of the program in error and the offset into that program at which the error occurred.
Or This is a critical error and CICS is terminated. This message is followed by a DFHSR06xx message giving the reason for the termination.

User response
Review the program and correct the error.

If the error is in the module DFHUEHC, ensure that UEPCSA and UEPTCA are not being used because these reference fetch-protected storage.

Ensure the program is not using field CSAQRTCA (previously named CSACDTA) as this references fetch-protected storage.

Ensure the application program has been link-edited with the appropriate exec interface stubs.

For advice on problem determination, refer to the Troubleshooting and support.

Module: DFHSRP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHSR0619 date time applid An illegal reference to the RCT has caused the abend which follows.

Explanation
A user program was executing and referred illegally to the RCT. This error appears as an 0C4 program check.

System action
The transaction abends with abend code ASRE. This message is followed by message DFHAP0001 or DFHSR0001 which gives the name of the program in error and the offset into that program at which the error occurred.

User response
Review the program and correct the error by using the CICS supplied SPI commands to retrieve information about CICS DB2 resource definitions.

For advice on problem determination, refer to the Troubleshooting and support.

Module: DFHSRP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CDB2 and Console

DFHSR0622 applid An attempt to {overwrite / access} the dsaname has caused the abend which follows.

Explanation
An 0C4 program interrupt (protection exception) has occurred. CICS has diagnosed the cause of the 0C4 as an attempt to either access or overwrite storage in DSA dsaname. The DSA is one of CDSA, RDSA, UDSA, ECDSA, ERDSA, ETDSA, EUDSA or GCDSA for overwrite, or either UDSA or EUDSA for access.

If dsaname is CDSA, ECDSA, ETDSA or GCDSA:
CICS is running with storage protection active. The CDSA, ECDSA, ETDSA and GCDSA therefore contain CICS key storage. They are write protected from user programs executing in User key. The most likely causes of the 0C4 are:
- A program executing in CICS key passed the address of CICS key storage in the CDSA, ECDSA, ETDSA or GCDSA to a user program executing in User key and this user program attempted to write to this storage.
- A user program executing in User key contains an error and accidentally attempted to write to CICS key storage in the CDSA, ECDSA, ETDSA or GCDSA.
- A user program executing in User key deliberately attempted to write to CICS key storage in the CDSA, ECDSA, ETDSA or GCDSA.

If dsaname is ERDSA or RDSA:
CICS may be running with or without storage protection active. The ERDSA or RDSA contains only reentrant CICS and user programs. If RENTPGM=PROTECT was specified as a system initialization parameter, the ERDSA or RDSA is write protected from programs executing in both CICS key and User key. If RENTPGM=NOPROTECT, the ERDSA or RDSA is only protected from user programs executing in User key. The most likely causes of the 0C4 are:
- A user program residing in the ERDSA or RDSA has attempted to modify its own storage, (that is, the program is not reentrant).
• A user program contains an error and accidentally attempted to overwrite program storage in the ERDSA or RDSA.

If dsaname is EUDSA or UDSA:

CICS is running with both storage protection and transaction isolation active. The EUDSA and UDSA contain only USER key non-shared storage. The most likely causes of the 0C4 are:

• If the action is overwrite, a program has attempted to modify the non-shared storage belonging to another transaction.
• If the action is access, a program has attempted to either read storage or execute an instruction within another transaction's non-shared storage.

System action

Either, the transaction abends with abend code ASRA. This message is followed by message DFHAP0001 or DFHSR0001 which gives the name of the program in error and the offset into that program at which the error occurred. Additionally, an exception trace entry is taken which gives program, offset, execution key and the DSA in question.

Or, this is a critical error and CICS is terminated. This message is followed by a DFHSR06xx message giving the reason for the termination.

User response

Depending on the cause and dsaname, do one of the following:

• Correct any error in the program.
• Redefine transactions with ISOLATE(NO) where they have to share storage.
• Change the program resource definition so that it executes in CICS key (and the basespace).
• Ensure that the program is not loaded into the ERDSA by not link-editing it with the RENT option.

Module: DFHSRP

XMEOUT parameters/Message inserts

1. applid
2. Value chosen from the following options:
   1=overwrite,
   2=access
3. dsaname

Destination

Console

DFHSTnnnn messages

DFHST0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation

An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code.

Alternatively, unexpected data has been input, or storage has been overwritten.

Note:

There is NO applid for DFHSTUP modules.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, OC1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action

An exception entry is made in the trace table.

For modules DFHSTST and DFHSTTI, a dump is taken and the collection interval is set to 24 hours. Message DFHST0101 is also issued.

For module DFHSTDM, the action depends on the initialization error action value which is used by the domain (DM) manager. The usual action is to terminate CICS with a dump.

For module DFHSTUE, processing continues.

For modules DFHSTWR, DFHSTRD, and DFHSTUx (modules within DFHSTUP), the job step is terminated with a dump.

For ALL modules, a system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.
User response

If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the z/OS MVS System Codes manual. Then look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, a runaway or a recovery percolation, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHSTST, DFHSTDM, DFHSTTI, DFHSTUE, DFHSTUX (Modules within DFHSTUP), DFHSTWR, DFHSTRD

XMEOUT parameters/Message inserts

1. applid
2. aaa/bbbb
3. X'offset'
4. modname

Destination

Console

DFHST0002 applid A severe error (code X'code') has occurred in module modname.

Explanation

An error has been detected in module modname. The code X'code' is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System action

An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain.

In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

For further information about CICS exception trace entries, refer to the Troubleshooting and support.

CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHSTST, DFHSTDM, DFHSTTI, DFHSTUE

XMEOUT parameters/Message inserts

1. applid
2. X'code'
3. modname

Destination

Console

DFHST0003 applid Insufficient storage to satisfy GETMAIN (code X'code') in module modname.

Explanation

A CICS GETMAIN was issued by module modname, but there was insufficient storage available to satisfy the request. The code X'code' is the exception trace point id which uniquely identifies the place where the error was detected. This error has occurred above the 16MB line.

System action

An exception entry is made in the trace table (code X'code' in the message). A system dump is taken,
unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module modname, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try increasing the size limits of the DSAs or EDSAs. If CICS is not already terminated, you need to bring CICS down to do this. See the Configuring or the Improving performance for further information on CICS storage.

Module: DFHSTDM

XMEOUT parameters/Message inserts

1. applid
2. X'code'
3. modname

Destination
Console

DFHST0004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation
A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

Note that no applid is included for DFHSTUP modules.

System action
An exception entry is made in the trace table.
For modules DFHSTST and DFHSTTI, a system dump is taken and the collection interval is set to 24 hours. Message DFHST0101 will also be issued.
For module DFHSTDM, the action depends on the initialization error action value which is used by the domain (DM) manager. The usual action will be to terminate CICS with a dump.
For module DFHSTUE, processing continues.
For modules DFHSTWR, DFHSTRD, and DFHSTUX (modules within DFHSTUP), the job step is terminated with a dump.
For ALL modules, a system dump is taken, unless you have specifically suppressed dumps in the dump table.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.
Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname is terminated and CICS continues.
But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.
If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.
If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHSTST, DFHSTDM, DFHSTTI, DFHSTUE, DFHSTUX
(Modules within DFHSTUP), DFHSTWR, DFHSTRD

**XMEOUT parameters/Message inserts**

1. **applid**
2. **X'offset'**
3. **modname**

**Destination**

Console

**DFHST0005**

**applid** A hardware error has occurred (module **modname**, code **X'code'**). The Time-of-Day clock is invalid.

**Explanation**

Execution of the STCK machine instruction resulted in a non-zero condition code.

**System action**

A system dump is taken and interval collections are cancelled. Message DFHST0102 is also issued.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer. This is in all probability a hardware error and you should in the first instance investigate the MVS Store Clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHSTST, DFHSTDM

**XMEOUT parameters/Message inserts**

1. **applid**
2. **modname**
3. **X'code'**

**Destination**

Console

**DFHST0101I**

**applid** The Statistics Domain has set the collection interval to 24 hours.

**Explanation**

A problem has been detected by, or has been passed back to, the statistics (ST) domain. As a result, the collection interval has been set to the maximum value. The end-of-day collection time is unchanged.

A message explaining the problem has already been issued by the module in error.

**System action**

Other processing continues.

**User response**

Refer to the associated message for guidance on resolving the original problem.

Use CEMT SET STATISTICS to reset the interval when the problem has been resolved.

**Module:**

DFHSTST, DFHSTDM, DFHSTTI

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**

Console

**DFHST0102I**

**applid** The Statistics Domain has cancelled interval collections.

**Explanation**

A problem has been detected by, or has been passed back to, the statistics (ST) domain. A message explaining the problem may have already been issued by the module in error.

To reduce the occurrence of this problem, the interval collections have been cancelled. The end-of-day collection time is unchanged.

**System action**

Other processing continues.

**User response**

Refer to any associated message for guidance on resolving the original problem.
If no associated message has been issued, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHSTST, DFHSTD, DFHSTTI

**XMEOUT parameters/Message inserts**

1. *applid*

**Destination**
Console

**DFHST0103**
*applid* An SMF error has occurred with return code X'rc'.

**Explanation**
SMF has returned to the statistics (ST) domain with an error return code X'rc' from the SMFEWTM macro.

**System action**
Other CICS processing continues.

**User response**
Refer to the z/OS MVS System Management Facilities (SMF) manual for a detailed explanation of the meaning of the return code.

**Module:**
DFHSTST

**XMEOUT parameters/Message inserts**

1. *applid*
2. *X'rc'*

**Destination**
Console

**DFHST0201 S**
An attempt to open the statistics data set has failed.

**Explanation**
DFHSTUP has tried to open the unloaded SMF data set but has failed.

**System action**
A dump is taken and the job step is terminated.

**User response**
Ensure that the JCL for the job is correct. A sample set of JCL to execute the DFHSTUP utility is contained in the CICS documentation.

If incorrect JCL is not the cause of the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHSTRD

**Destination**
SYSPRINT

**DFHST0202 S**
A read error on the statistics data set has occurred

**Explanation**
A read error was encountered on the unloaded SMF data set.

**System action**
A dump is taken and the job step is terminated.

**User response**
Inform the system programmer. First check that the JCL for the job is correct. A sample set of JCL to execute the DFHSTUP utility is contained in the CICS documentation. Resubmit the job.

**Module:**
DFHSTRD

**Destination**
SYSPRINT

**DFHST0203 W**
The statistics data set is empty.

**Explanation**
An end-of-file condition was detected during the first attempt to read the unloaded SMF data set, or the unloaded SMF dataset contained no CICS statistics from any CICS system.

**System action**
The job step is terminated.

**User response**
The most likely cause is an error in the JCL which unloads the SMF dataset. First check that the JCL
is correct. A sample set of JCL to unload the SMF dataset is contained in the CICS documentation. Also check that you have unloaded the correct SMF dataset. Resubmit the job.

**Module:**
DFHSTIN

**Destination**
SYSPRINT

**DFHST0204 S**
Invalid record id "recid" encountered on the statistics data set.

**Explanation**
An invalid record identifier recid has been encountered in the unloaded SMF data set.

**System action**
A dump is taken and the job step is terminated.

**User response**
Check that the unloaded SMF data set contains statistics records. CICS statistics records are of SMF record type 110, sub-type 2. For further information, see the CICS Data Areas. If the SMF data set does contain statistics records, the most likely cause of the problem is a corrupted SMF dataset. Unload the SMF dataset again and rerun the DFHSTUP utility. If the problem persists, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHSTUx (modules within DFHSTUP)

**Destination**
SYSPRINT

**DFHST0206 S**
An invalid parameter ("parameter") has been specified for the DFHSTUP utility.

**Explanation**
One or more of the parameters specified in the SYSIN data set were incorrect.

**System action**
The job step is terminated.

**User response**
Ensure that the JCL for the job is correct. A sample set of JCL to execute the DFHSTUP utility is contained in the CICS documentation.

**Module:**
DFHSTUP1

**Destination**
SYSPRINT

**DFHST0207 W**
An incomplete data record has been encountered on the statistics data set.

**Explanation**
A record input from the unloaded SMF data set specifies that the data it contains is incomplete.

**System action**
Processing continues.

**User response**
For an incomplete data record to have been encountered, there must have been an error in the running of CICS. This should result in an exception trace and perhaps a dump being issued. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHSTUx (modules within DFHSTUP)

**Destination**
SYSPRINT

**DFHST0208 S**
An attempt to open the SYSIN data set has failed.

**Explanation**
DFHSTUP has tried to open the SYSIN data set but has failed.

**System action**
A dump is taken and the job step is terminated.

**User response**
Ensure that the JCL for the job is correct. A sample set of JCL to execute the DFHSTUP utility is contained in the CICS documentation.
If incorrect JCL is not the cause of the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHSTRD

**Destination**
SYSPRINT

**DFHST0209 S**
A read error on the SYSIN data set has occurred.

**Explanation**
A read error was encountered on the SYSIN data set.

**System action**
A dump is taken and the job step is terminated.

**User response**
Inform the system programmer.
To resolve the problem, collect the dumps and any relevant messages and determine why the read failed. Resubmit the job.

**Module:**
DFHSTRD

**Destination**
SYSPRINT

**DFHST0210 I**
No statistics are available for applid applid.

**Explanation**
No statistics data records exist for applid applid in the unloaded SMF data set. This is because
- Applid applid is unknown, or
- You have unloaded the wrong SMF data set, or
- You have specified a COLLECTION TYPE= parameter for which applid applid has no statistics, or
- No CICS statistics records were written for applid applid.

**System action**
The job step continues.

**User response**
Check that you have specified the correct applid. If necessary, respecify the correct applid. Check that you have unloaded the correct SMF data set. If necessary, unload the correct SMF data set. If you have specified the correct applid and unloaded the correct SMF data set, then there are no statistics data records for applid applid.

**Module:**
DFHSTUP1

**Destination**
SYSPRINT

**DFHST0211 S**
Processing terminated. Getmain failed with a short on storage condition.

**Explanation**
The DFHSTUP utility detected an error from a GETMAIN macro while obtaining working storage. This was because DFHSTUP had exhausted the available storage.

**System action**
A dump is taken and the job step terminates.

**User response**
Check that you have specified the correct REGION size on the EXEC JCL command used to execute the DFHSTUP utility. A sample set of JCL to execute the DFHSTUP utility is contained in the CICS documentation.
If you have specified the correct REGION size, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
All DFHSTUP modules

**Destination**
SYSPRINT

**DFHST0212 S**
Processing terminated. DFSORT message dataset (DD=SYSOUT) is missing.

**Explanation**
The dataset used by the DFSORT utility to output its messages is missing.
**System action**
A dump is taken and the job step is terminated.

**User response**
Check the JCL used to execute the DFHSTUP utility to ensure that the SYSOUT DD was correctly specified. A sample set of JCL to execute the DFHSTUP utility is contained in the CICS documentation.

If you have specified the correct SYSOUT DD statement, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHSTUP1

**Destination**
SYSPRINT

**DFHST0213 S** Processing terminated. Error detected by DFSORT. Check DFSORT messages.

**Explanation**
An error was detected by the DFSORT utility and the DFHSTUP utility terminated.

**System action**
A dump is taken and the job step is terminated.

**User response**
The user must inspect the DFSORT message dataset and search for messages indicating the reason for the failure of the DFSORT utility. A detailed explanation of the messages produced by DFSORT can be found in the z/OS DFSORT Application Programming Guide (SC33-4035).

After analyzing the DFSORT error message, take the appropriate corrective actions and resubmit the job.

**Module:** DFHSTUP1

**Destination**
SYSPRINT

**DFHST0216 W** An incompatible statistics record version number “version”, was detected by module “module”.

**Explanation**
The statistics utility program has detected that a statistics record has a version number which is incompatible with the version number expected by the DFHSTUP utility.

**System action**
The statistics record containing the invalid version number is ignored. Statistics records immediately following which are of the same type and which also contain an invalid version number are also ignored. Processing continues.

**User response**
Obtain a dump of the SMF data set. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** All DFHSTUP modules.

**Destination**
SYSPRINT

**DFHST0217 S** An attempt to open the DFHSTWRK data set has failed.
Explanation
The statistics utility program has detected an error while attempting to open the DFHSTWRK data set during non-summary statistics processing.

System action
The statistics utility program ends abnormally.

User response
Ensure that the DFHSTWRK data set has been specified on the job, and that the attributes of the data set are correct.

Module:
DFHSTU17

Destination
SYSPRINT

DFHST0218 S A write error has occurred on the DFHSTWRK data set.

Explanation
The statistics utility program has detected an error while attempting to write to the DFHSTWRK data set during non-summary statistics processing.

System action
The statistics utility program ends abnormally.

User response
Ensure that the DFHSTWRK data set has been specified on the job, and that the attributes of the data set are correct, and that the data set is large enough.

Module:
DFHSTU17

Destination
SYSPRINT

DFHST0219 S A read error has occurred on the DFHSTWRK data set.

Explanation
The statistics utility program has detected an error while attempting to read from the DFHSTWRK data set during non-summary statistics processing.

System action
The statistics utility program ends abnormally.

User response
Check that the DFHSTWRK data set has been specified on the job, that the attributes of the data set are correct, and that the data set is large enough.

Module:
DFHST17X

Destination
SYSPRINT

DFHST0220 S An attempt to open the DFHSTWRK data set has failed.

Explanation
The statistics utility program has detected an error while attempting to open the DFHSTWRK data set while processing summary statistics.

System action
The statistics utility program ends abnormally.

User response
Check that the DFHSTWRK data set has been specified on the job, and that the attributes of the data set are correct.

Module:
DFHST17X

Destination
SYSPRINT

DFHST0221 S A write error has occurred on the DFHSTWRK data set.

Explanation
The statistics utility program has detected an error while attempting to write to the DFHSTWRK data set during summary statistics processing.

System action
The statistics utility program ends abnormally.
User response
Check that the DFHSTWRK data set has been specified on the job, that the attributes of the data set are correct, and that the data set is large enough.

Module:
DFHST17X

Destination
SYSPRINT

DFHST0222 S  A read error has occurred on the DFHSTWRK data set.

Explanation
The statistics utility program has detected an error while attempting to read from the DFHSTWRK data set during summary statistics processing.

System action
The statistics utility program ends abnormally.

User response
Check that the DFHSTWRK data set has been specified on the job, that the attributes of the data set are correct, and that the data set is large enough.

Module:
DFHST17X

Destination
SYSPRINT

DFHST0223 I  There are no data table statistics to report.

Explanation
The file subsection of the DFHSTUP report entitled 'Data Table Requests Information' only contains formatted information if the data currently being processed contains statistics records for files accessed as data tables. This message is written to the DFHSTUP report, when the utility program detects that there are no data table statistics in this section of the statistics report.

System action
Processing continues normally.

User response
Take no action unless you expect data table statistics in the DFHSTUP report. In this case, ensure that the data table feature is in use during the time period covered by the statistics being processed.

Module:
DFHSTU17, DFHST17X

Destination
SYSPRINT

DFHST0224 I  There are no intrapartition queues to report.

Explanation
The transient data subsection of the DFHSTUP report entitled 'Transient Data - Intrapartition' contains no data.

System action
Processing continues normally.

User response
Take no action unless you expect TD intrapartition statistics in the DFHSTUP report.

Module:
DFHSTUTQ, DFHSTTQX

Destination
SYSPRINT

DFHST0225 I  There are no extrapartition queues to report.

Explanation
The transient data subsection of the DFHSTUP report entitled 'Transient Data - Extrapartition' contains no data.

System action
Processing continues normally.

User response
Take no action unless you expect TD extrapartition statistics in the DFHSTUP report.

Module:
DFHSTUTQ, DFHSTTQX
There are no indirect queues to report.

Explanation
The transient data subsection of the DFHSTUP report entitled 'Transient Data - Indirect' contains no data.

System action
Processing continues normally.

User response
Take no action unless you expect TD indirect statistics in the DFHSTUP report.

Module:
DFHSTUTQ, DFHSTTQX

There are no remote queues to report.

Explanation
The transient data subsection of the DFHSTUP report entitled 'Transient Data - Remote' contains no data.

System action
Processing continues normally.

User response
Take no action unless you expect TD remote statistics in the DFHSTUP report.

Module:
DFHSTUTQ, DFHSTTQX

A duplicate extract command has been detected. Command ignored.

Explanation
A duplicate EXTRACT USERPROGRAM command has been detected.

System action
The duplicate command is ignored and the extract exit program specified on the first command is used. Processing continues.

User response
Remove the erroneous command.

Module:
DFHSTUP1

Unable to locate the extract library member member.

Explanation
The member is not in the libraries named in the JCL.

System action
The utility terminates processing of the command that required access to library member member.

User response
Ensure that the member is correctly link-edited into the library and resubmit the job.

Module:
DFHSTUP
Unable to load the extract library member member.

DFHSTUP could not load the extract library member member.

The utility terminates processing of the command that required access to the library member.

Ensure that the member is correctly link-edited into the library and resubmit the job.

An abend (code aaa/bbbb) has occurred in extract exit program modname. Extract exit processing has been terminated.

During processing of an EXTRACT command, a program check or abend aaa/bbbb has occurred in extract exit program modname.

The code aaa/bbbb is, if applicable, a 3-digit hexadecimal MVS system completion code aaa (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The 4-digit code bbbb, which follows aaa is, if applicable, a user abend code produced by the extract exit program. If the user abend code is not applicable, this field is filled with four hyphens.

The EXTRACT command is terminated.

For a program check, refer to prior messages to resolve the error in the extract exit program. For a user abend code consult the relevant documentation of the user exit program to determine the error.

No report was produced by DFHSTUP due to the fact that an EXTRACT exit program was specified and no other report options. DFHSTUP invokes the exit program to process the statistics records and suppresses all its reporting.

EXTRACT processing continues.

If a DFHSTUP report is required in addition to the report produced from the specified EXTRACT exit, specify the necessary DFHSTUP reporting options.

A batch job has issued a DFHSTUP utility EXTRACT command. The EXTRACT command has been terminated because of a non-zero value in register 15 on return from an extract user exit program.

Execution of the utility EXTRACT command is terminated.

Determine the cause of the error detected by the user exit program using the return code retcode provided and the relevant documentation of the user exit program.
An abend (code $aaa/bbbb$) has occurred in program $modname$.

Explanation
During processing of an DFHSTUP command, a program check or abend $aaa/bbbb$ has occurred in module $modname$.

The code $aaa/bbbb$ is, if applicable, a 3-digit hexadecimal MVS system completion code $aaa$ (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The 4-digit code $bbbb$, which follows $aaa$ is, if applicable, a Language Environment abend code. If the abend code is not applicable, this field is filled with four hyphens.

System action
The DFHSTUP command is terminated.

User response
Look up the MVS code, if there is one, in the z/OS MVS System Codes manual. Look up the Language Environment abend code in the z/OS Language Environment Debugging Guide manual.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

DFHSZnnnn messages

DFHSZ4001 I  date  time  applid  FEPI initialization has started.

Explanation
The Front End Programming Interface (FEPI) is being initialized.

This means the CSZI transaction - FEPI - has started its processing. CSZI is started as part of CICS system initialization, if the system initialization parameter FEPI is set to YES.

If you specified FEPI=YES and this message does not appear during CICS initialization, CSZI failed to start; the most common reason for this is that group DFHFEPI is not included in the list specified by the GRPLIST system initialization parameter.

If message DFHSZ4001 is not followed by message DFHSZ4002, FEPI failed to start. In this case, a DFHSZnnnn message is issued to indicate the error.

System action
FEPI initialization proceeds.

User response
None.

Module: DFHSZMRP(DFHSZSIP)

XMEOUT parameters/Message inserts

1. date
2. time
3. applid

Destination
CSZL and Console

DFHSZ4002 I date time applid FEPI initialization has ended.

Explanation
The Front End Programming Interface (FEPI) has finished initialization.

System action
EXEC CICS FEPI commands are made available.

User response
None.

Module:
DFHSZRMP(DFHSZSIP)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CSZL and Console

DFHSZ4003 I date time applid FEPI termination complete.

Explanation
The Front End Programming Interface (FEPI) has ended.

A DFHSZnnnn message may precede message DFHSZ4003 to indicate what caused FEPI to terminate.

System action
EXEC CICS FEPI commands are made unavailable.

User response
Resolve the problem indicated by the messages, then restart CICS.

Module:
DFHSZRMP(DFHSZSIP)

DFHSZ4004 E date time applid FEPI cannot be started: FEPI=YES not specified in the SIT.

Explanation
The Front End Programming Interface (FEPI) cannot be started because the FEPI system initialization parameter was set to NO indicating that FEPI is not required.

This message usually means that you attempted to start the FEPI transaction (CSZI) manually, but did not set up the correct environment for it to run.

System action
The FEPI transaction is not run.

User response
If you require FEPI in the CICS system, restart CICS specifying the system initialization parameter FEPI=YES. You do not need to start the FEPI transaction manually.

Module:
DFHSZRMP(DFHSZSIP)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CSZL and Console

DFHSZ4005 E date time applid FEPI cannot be started: FEPI is already active, in state X'sssssss'.

Explanation
The Front End Programming Interface (FEPI) cannot be started because FEPI is already active in the system.
This message usually means that you attempted to start a new instance of FEPI manually by running the FEPI transaction (CSZI), but the previous instance of FEPI failed in some way that caused an 'active' indication to be left in error.

The possible FEPI states (X'ssssssss') are:

<table>
<thead>
<tr>
<th>State</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'00000002'</td>
<td>FEPI is being initialized</td>
</tr>
<tr>
<td>X'00000003'</td>
<td>FEPI is active</td>
</tr>
<tr>
<td>X'00000004'</td>
<td>FEPI is terminating as CICS is undergoing a normal shutdown</td>
</tr>
<tr>
<td>X'00000005'</td>
<td>FEPI is terminating as CICS is undergoing an immediate shutdown</td>
</tr>
<tr>
<td>X'00000006'</td>
<td>FEPI is terminating as CICS is undergoing an abnormal shutdown</td>
</tr>
</tbody>
</table>

**System action**
The request to start a new instance of FEPI is rejected.

**User response**
If the state suggests that a previous instance of FEPI failed, you must restart CICS to resolve the problem. You do not need to start the FEPI transaction manually.

**Module:**
DFHSZRMP(DFHSZSIP)

**Explanation**
The Front End Programming Interface (FEPI) cannot be initialized because an attempt to enqueue on the FEPI enqueue name SZENQRMI failed, indicating that FEPI is already active in the system. FEPI initialization issues this enqueue to prevent a second instance of FEPI being present in the system.

This message usually means that you attempted to start the FEPI transaction (CSZI) manually, but there is a previous instance of CSZI still running.

The possible values of X'rr', the reason for failure, are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'31'</td>
<td>Duplicate enqueue on SZENQRMI attempted.</td>
</tr>
<tr>
<td>X'32'</td>
<td>Failure during enqueue processing.</td>
</tr>
</tbody>
</table>

**System action**
The request to start a second instance of FEPI is rejected.

**User response**
None.

**Module:**
DFHSZRMP(DFHSZSIP)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. X'sssssss'

**Destination**
CSZL and Console

**Explanation**
The Front End Programming Interface (FEPI) cannot be initialized because creating the named storage subpool for FEPI use failed.

The values of X'rr', the reason for failure, are:
Reason   
Meaning

X'01'
Insufficient storage available for the subpool

X'03'
Subpool requested with an invalid fixed length

X'04'
Subpool requested with an invalid boundary alignment

X'05'
Subpool requested with an invalid initial number of elements

X'06'
Subpool requested with an invalid name

X'08'
Subpool requested already exists

X'11'
Access to the Storage Manager was denied

The values of X'ee', the response to the failed request, are:

Response   
Meaning

X'01'
Request completed successfully

X'02'
Exception response generated

X'03'
Disaster response generated

X'04'
Invalid response generated

X'05'
A kernel error was detected

X'06'
The request was purged

User response
The only action you can take is when there is insufficient storage, in which case you can increase the storage available to CICS on restart.

All other errors are system failures, and you should consult the system programmer. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHSZRMP(DFHSZSIP)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. ppppppppp
5. X'rr'
6. X'ee'

Destination
CSZL and Console

DFHSZ4008 E   date time applid FEPI initialization failed: Non-runaway task setting failure, reason X'rr' response X'ee'.

Explanation
The Front End Programming Interface (FEPI) cannot be initialized. Because FEPI is a long-running transaction (CSZI), it must not be subject to a runaway task time out. The request to prevent this failed.

The value of X'rr', the reason for failure, is always X'00'.

The values of X'ee', the response to the failed request, are:

Response   
Meaning

X'01'
Request completed successfully

X'02'
Exception response generated

X'03'
Disaster response generated

X'04'
Invalid response generated

System action
FEPI initialization ends, and EXEC CICS FEPI commands are unavailable. An exception trace entry is generated.
System action
FEPI initialization ends, and EXEC CICS FEPI commands are made unavailable. An exception trace entry is generated.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHSZRMP(DFHSZSIP)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'rr'
5. X'ee'

Destination
CSZL and Console

DFHSZ4009 E  date time applid FEPI initialization failed: change-priority failure, response X'ee'.

Explanation
The Front End Programming Interface (FEPI) cannot be initialized because changing the dispatching priority of the FEPI transaction (CSZI) failed.

Because FEPI runs as a transaction, a high priority is required. The request to set this dispatching priority failed.

The values of X'ee', the response to the failed request, are:

Response
Meaning
X'01'
Request completed successfully
X'02'
Exception response generated
X'03'
Disaster response generated
X'04'
Invalid response generated
X'05'
A Kernel error was detected

System action
FEPI initialization ends, and EXEC CICS FEPI commands are made unavailable. An exception trace entry is generated.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHSZRMP(DFHSZSIP)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'ee'

Destination
CSZL and Console

DFHSZ4010 E  date time applid FEPI initialization failed: SZ TCB swap failure, response X'ee'.

Explanation
The Front End Programming Interface (FEPI) usually runs under the CICS SZ TCB. Transferring the FEPI transaction (CSZI) from running under the QR TCB to the SZ TCB failed.

The values of X'ee', the response to the failed request, are:

Response
Meaning
X'01'
Request completed successfully
X'02'
Exception response generated
X'03'
Disaster response generated
X'04'
Invalid response generated
X'05'
A Kernel error was detected
### System action
FEPI initialization ends, and EXEC CICS FEPI commands are made unavailable. An exception trace entry is generated.

### User response
The SZ TCB is created as part of the early CICS initialization and you should examine the console log to see if any messages were generated indicating a TCB creation failure.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHSZRMP(DFHSZSIP)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. X'ee'

**Destination**
CSZL and Console

```
DFHSZ4011 E date time applid FEPI storage
GETMAIN failed in subpool NB, reason X'rr' response X'ee'.
```

### Explanation
The Front End Programming Interface (FEPI) issued a GETMAIN storage request in the SZSPFCNB storage subpool for NIB usage which failed.

The values of X'rr', the reason for failure, are:

<table>
<thead>
<tr>
<th>Reason</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'01'</td>
<td>Insufficient storage for the request</td>
</tr>
<tr>
<td>X'02'</td>
<td>Invalid subpool token given</td>
</tr>
<tr>
<td>X'04'</td>
<td>Invalid length of element requested</td>
</tr>
<tr>
<td>X'05'</td>
<td>Length of element not specified</td>
</tr>
<tr>
<td>X'08'</td>
<td>Access was denied to the storage subpool</td>
</tr>
</tbody>
</table>

The values of X'ee', the response to the failed request, are:

<table>
<thead>
<tr>
<th>Response</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'01'</td>
<td>Request completed successfully.</td>
</tr>
<tr>
<td>X'02'</td>
<td>Exception response generated.</td>
</tr>
<tr>
<td>X'03'</td>
<td>Disaster response generated.</td>
</tr>
<tr>
<td>X'04'</td>
<td>Invalid response generated.</td>
</tr>
<tr>
<td>X'05'</td>
<td>A Kernel error was detected.</td>
</tr>
<tr>
<td>X'06'</td>
<td>The request was purged.</td>
</tr>
</tbody>
</table>

All these responses indicate that a system error has occurred.

### System action
An exception trace entry is generated.

FEPI tries to recover from this error by retrying the request. However, no action is taken to prevent multiple occurrences.

### User response
If this message occurs frequently, you should take a dump of the CICS system before restarting it. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHSZRMP(DFHSZZNG)

**XMEOUT parameters/Message inserts**
1. date
2. time
The Front End Programming Interface (FEPI) issued a GETMAIN storage request in the SZSPVCDA storage subpool for general usage which failed. The values of X'rr', the reason for failure, are:

**Reason**

<table>
<thead>
<tr>
<th>X'rr'</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'01'</td>
<td>Insufficient storage for the request.</td>
</tr>
<tr>
<td>X'02'</td>
<td>Invalid subpool token given.</td>
</tr>
<tr>
<td>X'04'</td>
<td>Invalid length of element requested.</td>
</tr>
<tr>
<td>X'05'</td>
<td>Length of element not specified.</td>
</tr>
<tr>
<td>X'08'</td>
<td>Access was denied to the storage subpool.</td>
</tr>
<tr>
<td>X'11'</td>
<td>Invalid initial image supplied.</td>
</tr>
<tr>
<td>X'12'</td>
<td>An abnormal end occurred in the storage manager.</td>
</tr>
<tr>
<td>X'13'</td>
<td>A loop was detected in the storage manager.</td>
</tr>
</tbody>
</table>

The values of X'ee', the response to the failed request, are:

**Response**

<table>
<thead>
<tr>
<th>X'ee'</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'01'</td>
<td>Request completed successfully.</td>
</tr>
<tr>
<td>X'02'</td>
<td>Exception response generated.</td>
</tr>
<tr>
<td>X'03'</td>
<td>Disaster response generated.</td>
</tr>
<tr>
<td>X'04'</td>
<td>Invalid response generated.</td>
</tr>
<tr>
<td>X'05'</td>
<td>A kernel error was detected.</td>
</tr>
<tr>
<td>X'06'</td>
<td>The request was purged.</td>
</tr>
</tbody>
</table>

All of these responses indicate that a system error occurred.

**System action**

An exception trace entry is generated. FEPI tries to recover from this error by retrying the request. However, no action is taken to prevent multiple occurrences.

**User response**

If this message occurs frequently, you should take a dump of the CICS system before restarting it.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHSZRM(DFHSZZAG)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. X'rr'
5. X'ee'

Destination

CSZL and Console

DFHSZ4012 E  date time applid FEPI storage
GETMAIN failed in subpool DA, reason X'rr' response X'ee'.

**Explanation**

The Front End Programming Interface (FEPI) issued a GETMAIN storage request in the SZSPVCDA storage subpool for general usage which failed. The values of X'rr', the reason for failure, are:

<table>
<thead>
<tr>
<th>X'rr'</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'01'</td>
<td>Insufficient storage for the request.</td>
</tr>
<tr>
<td>X'02'</td>
<td>Invalid subpool token given.</td>
</tr>
<tr>
<td>X'04'</td>
<td>Invalid length of element requested.</td>
</tr>
<tr>
<td>X'05'</td>
<td>Length of element not specified.</td>
</tr>
<tr>
<td>X'08'</td>
<td>Access was denied to the storage subpool.</td>
</tr>
<tr>
<td>X'11'</td>
<td>Invalid initial image supplied.</td>
</tr>
<tr>
<td>X'12'</td>
<td>An abnormal end occurred in the storage manager.</td>
</tr>
<tr>
<td>X'13'</td>
<td>A loop was detected in the storage manager.</td>
</tr>
</tbody>
</table>

The values of X'ee', the response to the failed request, are:

<table>
<thead>
<tr>
<th>X'ee'</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'01'</td>
<td>Request completed successfully.</td>
</tr>
<tr>
<td>X'02'</td>
<td>Exception response generated.</td>
</tr>
</tbody>
</table>
Reason
Meaning
X'01'
Insufficient storage for the request.
X'02'
Invalid subpool token given.
X'04'
Invalid length of element requested.
X'05'
Length of element not specified.
X'08'
Access was denied to the storage subpool.
X'11'
Invalid initial image supplied.
X'12'
An abnormal end occurred in the storage manager.
X'13'
A loop was detected in the storage manager.

The values of X'ee', the response to the failed request, are:

Response
Meaning
X'01'
Request completed successfully.
X'02'
Exception response generated.
X'03'
Disaster response generated.
X'04'
Invalid response generated.
X'05'
A kernel error was detected.
X'06'
The request was purged.

All of these responses indicate that a system error occurred.

System action
An exception trace entry is generated.

FEPI tries to recover from this error by retrying the request. However, no action is taken to prevent multiple occurrences.

User response
If this message occurs frequently, you should take a dump of the CICS system before restarting it.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHSZRMP(DFHSZZRG)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X'rr'
5. X'ee'

Destination
CSZL and Console

DFHSZ4014 E date time applid FEPI storage FREEMAIN failed in subpool DA|NB|RP, reason X'rr' response X'ee'.

Explanation
The Front End Programming Interface (FEPI) issued a FREEMAIN storage request in an SZSPxxxx storage subpool. The request failed.

The values of X'rr', the reason for failure, are:

Reason
Meaning
X'02'
Invalid subpool token given.
X'03'
The address of the element to be freed is invalid.
X'06'
Invalid length of element specified.
X'07'
Length of element not specified.
X'08'
Access was denied to the storage subpool.
X'10'
The specified storage subpool was empty.

X'12'
An abnormal end occurred in the storage manager.

X'13'
A loop was detected in the storage manager.

The values of X'ee', the response to the failed request, are:

Response
Meaning

X'01'
Request completed successfully.

X'02'
Exception response generated.

X'03'
Disaster response generated.

X'04'
Invalid response generated.

X'05'
A kernel error was detected.

X'06'
The request was purged.

All of these responses indicate that a system error occurred.

System action
The request is rejected, and a retry is not attempted (perhaps leaving storage that is never subsequently accessible). An exception trace entry is generated.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHSZRMP(DFHSZZFR)

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. X'rr'
5. X'ee'

Destination
CSZL and Console

DFHSZ4015 I date time applid FEPI {normal | immediate | forced} termination has started.

Explanation
The Front End Programming Interface (FEPI) has acknowledged a shutdown request and is starting to terminate.

Message DFHSZ4003 is issued when FEPI completes termination.

FEPI terminates only in response to a CICS shutdown request (such as CEMT PERFORM SHUTDOWN). Some types of CICS shutdown can result in more than one DFHSZ4015 message being issued.

System action
Certain EXEC CICS FEPI commands are made unavailable during FEPI termination.

Normal termination allows all transactions using FEPI resources to end before FEPI itself ends. However, no new usage of FEPI resources is permitted.

Immediate termination stops usage of FEPI facilities immediately but does a controlled shutdown of communication functions.

Forced termination stops usage of FEPI facilities immediately, and does the quickest possible shutdown of communication functions (which may lead to many VTAM messages being issued).

User response
None.

Module:
DFHSZRMP(DFHSZRDP)

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. Value chosen from the following options:
   1=normal,
   2=immediate,
   3=forced
Destination
CSZL and Console

**Explanation**
The Front End Programming Interface (FEPI) has ended abnormally.

**System action**
A system dump is taken. All EXEC CICS FEPI commands are made unavailable.

**User response**
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHSZRMP(DFHSZSIP)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid

Destination
CSZL and Console

**Explanation**
The Front End Programming Interface (FEPI) has successfully installed the named node.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHSZRMP(DFHSZRII)

**XMEOUT parameters/Message inserts**
1. date

Destination
CSZL

**Explanation**
The Front End Programming Interface (FEPI) node **nnnnnnnn** installation failed, code **rrr**, for transaction **xxxx**.

**System action**
Processing continues.

**User response**
Investigate the failure, and correct it.

**Module:**
DFHSZRMP(DFHSZRII)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. nnnnnnnn
5. rrr
6. xxxx

Destination
CSZL

**Explanation**
The Front End Programming Interface (FEPI) has successfully discarded the named node.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHSZRMP(DFHSZRII)

**XMEOUT parameters/Message inserts**
1. date
**User response**

None.

**Module:**
DFHSZRMP(DFHSZRDN)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. nnnnnnnnn
5. xxxx

**Destination**

CSZL

DFHSZ4104 I  date time applid FEPI node nnnnnnnnn discard scheduled, for transaction xxxx.

**Explanation**

The Front End Programming Interface (FEPI) has scheduled the discard operation for the named node.

**System action**

Processing continues. The node is discarded when it becomes inactive.

**User response**

None.

**Module:**
DFHSZRMP(DFHSZRID)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. nnnnnnnnn
5. xxxx
6. rrr
7. xxxx

**Destination**

CSZL

DFHSZ4105 W  date time applid FEPI node nnnnnnnnn discard failed, code rrr, for transaction xxxx.

**Explanation**

The Front End Programming Interface (FEPI) cannot discard the named node. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DISCARD NODE command.

**System action**

Processing continues.

**User response**

Investigate the failure, and correct it.

**Module:**
DFHSZRMP(DFHSZRID)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. nnnnnnnnn
5. rrr
6. xxxx
7. xxxx

**Destination**

CSZL

DFHSZ4106 I  date time applid FEPI pool pppppppp (with property set yyyyyyyyy) installed, for transaction xxxx.

**Explanation**

The Front End Programming Interface (FEPI) has successfully installed the named pool which has the characteristics of the named property set.

**System action**

Processing continues.

**User response**

None.

**Module:**
DFHSZRMP(DFHSZRII)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. pppppppp
5. yyyyyyyy
6. xxxx

**Destination**

CSZL

**Explanation**

The Front End Programming Interface (FEPI) cannot install the named pool, which has the characteristics of the named property set. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI INSTALL POOL command.

**System action**

Processing continues.

**User response**

Investigate the failure, and correct it.

**Module:**

DFHSZRMP(DFHSZRII)

### XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. pppppppp
5. yyyyyyyy
6. rrr
7. xxxx

**Destination**

CSZL

**Explanation**

The Front End Programming Interface (FEPI) has successfully discarded the named pool.

**System action**

Processing continues. The pool is discarded when it becomes inactive.

**User response**

None.

**Module:**

DFHSZRMP(DFHSZRID)

### XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. pppppppp
5. xxxx

**Destination**

CSZL
Explanation
The Front End Programming Interface (FEPI) cannot discard the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DISCARD POOL command.

System action
Processing continues.

User response
Investigate the failure, and correct it.

Module:
DFHSZRMP(DFHSZRID)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. pppppppp
5. rrr
6. xxxx

Destination
CSZL

DFHSZ4110 W date time applid FEPI pool pppppppp discard failed, code rrr, for transaction xxxx.

Explanation
The Front End Programming Interface (FEPI) has successfully discarded the named target.

System action
Processing continues.

User response
None.

Module:
DFHSZRMP(DFHSZRII)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tttttttt
5. rrr
6. xxxx

Destination
CSZL

DFHSZ4111 I date time applid FEPI target tttttttt installed, for transaction xxxx.

Explanation
The Front End Programming Interface (FEPI) has successfully installed the named target.

System action
Processing continues.

User response
Investigate the failure, and correct it.

Module:
DFHSZRMP(DFHSZRII)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tttttttt
5. rrr
6. xxxx

Destination
CSZL

DFHSZ4112 W date time applid FEPI target tttttttt installation failed, code rrr, for transaction xxxx.

Explanation
The Front End Programming Interface (FEPI) cannot install the named target. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI INSTALL TARGET command.

System action
Processing continues.

User response
Investigate the failure, and correct it.

Module:
DFHSZRMP(DFHSZRII)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tttttttt
5. rrr
6. xxxx

Destination
CSZL

DFHSZ4113 I date time applid FEPI target tttttttt discarded, for transaction xxxx.

Explanation
The Front End Programming Interface (FEPI) has successfully discarded the named target.

System action
Processing continues.
User response
None.

Module:
DFHSZRMP(DFHSZRTD)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tttttttt
5. xxxx

Destination
CSZL

DFHSZ4114 I date time applid FEPI target tttttttt
discard scheduled, for transaction xxxx.

Explanation
The Front End Programming Interface (FEPI) has
scheduled the discard operation for the named target.

System action
Processing continues. The target is discarded when it
becomes inactive.

User response
None.

Module:
DFHSZRMP(DFHSZRID)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tttttttt
5. xxxx
6. rrr
7. xxxx

Destination
CSZL

DFHSZ4116 I date time applid FEPI property set
yyyyyyyy installed, for transaction xxxx.

Explanation
The Front End Programming Interface (FEPI) has
successfully installed the named property set.

System action
Processing continues.

User response
None.

Module:
DFHSZRMP(DFHSZRII)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. yyyyyyy
Destination
CSZL

**DFHSZ4117 W**  
*date time applid FEPI property set yyyy yyyy installation failed, code rrr, for transaction xxxx.*

**Explanation**
The Front End Programming Interface (FEPI) cannot install the named property set. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI INSTALL PROPERTYSET command.

**System action**
Processing continues.

**User response**
Investigate the failure, and correct it.

**Module:**
DFHSZRMP(DFHSZRII)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. yyyy yyyy
5. rrr
6. xxxx

Destination
CSZL

**DFHSZ4119 W**  
*date time applid FEPI property set yyyy yyyy discard failed, code rrr, for transaction xxxx.*

**Explanation**
The Front End Programming Interface (FEPI) cannot discard the named property set. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DISCARD PROPERTYSET command.

**System action**
Processing continues.

**User response**
Investigate the failure, and correct it.

**Module:**
DFHSZRMP(DFHSZRID)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. yyyy yyyy
5. rrr
6. xxxx

Destination
CSZL

**DFHSZ4118 I**  
*date time applid FEPI property set yyyy yyyy discarded, for transaction xxxx.*

**Explanation**
The Front End Programming Interface (FEPI) has successfully discarded the named property set.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHSZRMP(DFHSZRID)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. yyyy yyyy
5. rrr
6. xxxx

**Module:**
DFHSZRMP(DFHSZRID)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. yyyy yyyy
5. rrr
6. xxxx

**Module:**
DFHSZRMP(DFHSZRII)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. yyyy yyyy
5. rrr
6. xxxx

**Module:**
DFHSZRMP(DFHSZRID)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. yyyy yyyy
5. rrr
6. xxxx

**Module:**
DFHSZRMP(DFHSZRII)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. yyyy yyyy
5. rrr
6. xxxx

**Module:**
DFHSZRMP(DFHSZRID)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. yyyy yyyy
5. rrr
6. xxxx

**Module:**
DFHSZRMP(DFHSZRII)
**Explanation**

The Front End Programming Interface (FEPI) has successfully added the named node to the named pool.

**System action**

Processing continues.

**User response**

None.

**Module:**

DFHSZRMP(DFHSZRII)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. nnnnnnnn
5. pppppppp
6. xxxx

**Destination**

CSZL

DFHSZ4121 W  
**date time applid FEPI node**

**nnnnnnnn deleted from pool**

**pppppppp, for transaction xxxx.**

**Explanation**

The Front End Programming Interface (FEPI) cannot delete the named node from the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DELETE POOL command.

**System action**

Processing continues.

**User response**

Investigate the failure, and correct it.

**Module:**

DFHSZRMP(DFHSZRID)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. nnnnnnnn
5. pppppppp
6. xxxx

**Destination**

CSZL

DFHSZ4123 W  
**date time applid FEPI node**

**nnnnnnnn not deleted from pool**

**pppppppp, code rrr, for transaction xxxx.**

**Explanation**

The Front End Programming Interface (FEPI) cannot add the named node to the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI ADD POOL command.

**System action**

Processing continues.

**User response**

None.

**Module:**

DFHSZRMP(DFHSZRII)
System action
Processing continues.

User response
Investigate the failure, and correct it.

Module:
DFHSZRMP(DFHSZRID)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. nnnnnnnn
5. pppppppp
6. rrr
7. xxxx

Destination
CSZL

DFHSZ4124 I date time applid FEPI target tttttttt added to pool pppppppp, for transaction xxxx.

Explanation
The Front End Programming Interface (FEPI) has successfully added the named target to the named pool.

System action
Processing continues.

User response
None.

Module:
DFHSZRMP(DFHSZRII)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tttttttt
5. pppppppp
6. rrr
7. xxxx

Destination
CSZL

DFHSZ4126 W date time applid FEPI target tttttttt not added to pool pppppppp, code rrr, for transaction xxxx.

Explanation
The Front End Programming Interface (FEPI) cannot add the named target to the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI ADD POOL command.

System action
Processing continues.

User response
Investigate the failure, and correct it.

Module:
DFHSZRMP(DFHSZRII)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tttttttt
5. pppppppp
6. rrr
7. xxxx

Destination
CSZL

DFHSZ4126 I date time applid FEPI target tttttttt deleted from pool pppppppp, for transaction xxxx.

Explanation
The Front End Programming Interface (FEPI) has successfully deleted the named target from the named pool.

System action
Processing continues.

User response
None.
Module: DFHSZRMP(DFHSZRID)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tttttttt
5. pppppppp
6. xxxx

Explanation
The Front End Programming Interface (FEPI) cannot do a delete operation on the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DELETE POOL command.

System action
Processing continues.

User response
Investigate the failure, and correct it.

Module: DFHSZRMP(DFHSZRID)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. pppppppp
5. rrr
6. xxxx

Explanation
The Front End Programming Interface (FEPI) cannot delete the named target from the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DELETE POOL command.

System action
Processing continues.

User response
Investigate the failure, and correct it.

Module: DFHSZRMP(DFHSZRID)

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. pppppppp
5. rrr
6. xxxx

Explanation
The Front End Programming Interface (FEPI) received some unsolicited data for the named pool-target-node connection, and started the named transaction to process this data.

System action
Processing continues.

User response
None.

Module: DFHSZBUN

XMEOUT parameters/Message inserts
1. date
2. time

Chapter 2. CICS messages 1997
The Front End Programming Interface (FEPI) invoked Begin-session processing required for FEPI pool pppppppp target tttttttt node nnnnnnnn. Transaction xxxx started.

**Explanation**
The Front End Programming Interface (FEPI) invoked Begin-session processing required for the named pool-target-node connection, by starting the named transaction.

**System action**
Processing continues.

**User response**
None.

**Module:** DFHSZRMP(DFHSZBSI)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. pppppppp
5. tttttttt
6. nnnnnnnn
7. xxxx

The Front End Programming Interface (FEPI) invoked STSN processing required for FEPI pool pppppppp target tttttttt and node nnnnnnnn failed with a reason code of X'rrrrrrrr'. Setup will be retried later.

**Explanation**
The Front End Programming Interface (FEPI) invoked STSN processing required for the named pool-target-node connection, by starting the named transaction.

**System action**
Processing continues; the session setup is tried again after a short interval, using a different node if one is available. If the error occurs for a request session, FEPI retries the request in 60 seconds.

**User response**
None.
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. pppppppp
5. ttttttt
6. nnnnnnnn
7. X'rrrrrrrr'

Explanation

The Front End Programming Interface (FEPI) invoked end-session processing for the named pool-target-node connection, by starting the named transaction.

System action

Processing continues.

User response

None.

Module:

DFHSZRMP(DFHSZBFT)

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. pppppppp
5. ttttttt
6. nnnnnnnn
7. xxxx

Explanation

The Front End Programming Interface (FEPI) has detected an error during session setup for the named pool-target-node connection. Refer to z/OS Communications Server: SNA Messages or to Systems Network Architecture Formats (GA27-3136) for a description of the reason code (error code or sense code) that describes this error. Setting up a session for this connection has failed several times.
**System action**
Processing continues; the session setup for this connection is not tried again.

**User response**
None; operator intervention may be needed to make the connection available.

**Module:** DFHSZRMP(DFHSZBLO)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. pppppppp
5. tttttttt
6. nnnnnnnn
7. X'rrrrrrrr'

**Destination**
CSZL

DFHSZ4158 W date time applid The VTAM OPEN request for FEPI node nnnnnnnn failed with a reason code of X'rrrrrrrr'. This operation will be retried.

**Explanation**
The Front End Programming Interface (FEPI) has detected an error during VTAM OPEN processing for the named node.

The possible values of X'rrrrrrrr', the reason for failure, are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'0000000000'</td>
<td>VTAM TPEND occurred with error code 0.</td>
</tr>
<tr>
<td>X'0000000004'</td>
<td>VTAM TPEND occurred with error code 4.</td>
</tr>
<tr>
<td>X'0000000008'</td>
<td>VTAM TPEND occurred with error code 8.</td>
</tr>
<tr>
<td>X'000000000C'</td>
<td>VTAM SETLOGON failed.</td>
</tr>
</tbody>
</table>

**other values**
VTAM OPEN failed with error code given.
Refer to z/OS Communications Server: SNA Programming for a description of these error codes.

**System action**
Processing continues; the VTAM OPEN for the node is repeated after a short interval.

**User response**
None.

**Module:** DFHSZRMP(DFHSZBLO)

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. nnnnnnnn
5. X'rrrrrrrr'

**Destination**
CSZL

DFHSZ4159 W date time applid The VTAM OPEN request for FEPI node nnnnnnnn failed with a reason code of X'rrrrrrrr'. This operation will not be retried.

**Explanation**
The Front End Programming Interface (FEPI) has detected an error during VTAM OPEN processing for the named node. The reason code is the error code returned by the VTAM OPEN operation. Refer to z/OS Communications Server: SNA Programming for a description of these error codes.

**System action**
Processing continues; the VTAM OPEN for the node is not repeated.

**User response**
None; operator intervention may be needed to make the node available.

**Module:** DFHSZRMP(DFHSZBLO)
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. nnnnnnnn
5. X’rrrrrrrr’

**Destination**

CSZL

**DFHSZ4201 I**  

`date time applid FEPI node nnnnnnnn now has status {INSERVICE | OUTSERVICE | GOINGOUT}, {ACQUIRED | RELEASED | ACQUIRING | RELEASING}.`

**Explanation**

The status of a Front End Programming Interface (FEPI) node has been changed by an EXEC CICS FEPI SET NODE or a CEMT SET FENODE command, and is now as described.

**System action**

Processing continues.

**User response**

None

**Module:**

DFHSZRMP(DFHSZRIW)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. nnnnnnnn
5. Value chosen from the following options:  
   
   1=INSERVICE,  
   2=OUTSERVICE,  
   3=GOINGOUT

6. Value chosen from the following options:  
   
   4=ACQUIRED,  
   5=RELEASED,  
   6=ACQUIRING,

**Destination**

CSZL

**DFHSZ4202 I**  

`date time applid FEPI pool pppppppp now has status {INSERVICE | OUTSERVICE | GOINGOUT}.`

**Explanation**

The status of a Front End Programming Interface (FEPI) pool has been changed by an EXEC CICS FEPI SET POOL or a CEMT SET FEPOOL command, and is now as described.

**System action**

Processing continues.

**User response**

None

**Module:**

DFHSZRMP(DFHSZRIW)

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. pppppppp
5. Value chosen from the following options:  
   
   1=INSERVICE,  
   2=OUTSERVICE,  
   3=GOINGOUT

6. Value chosen from the following options:  
   
   4=ACQUIRED,  
   5=RELEASED,  
   6=ACQUIRING,

**Destination**

CSZL

**DFHSZ4203 I**  

`date time applid FEPI target ttttttttt now has status {INSERVICE | OUTSERVICE | GOINGOUT}.`

**Explanation**

The status of a Front End Programming Interface (FEPI) target has been changed by an EXEC CICS FEPI SET TARGET or a CEMT SET FETARGET command, and is now as described.
System action
Processing continues.

User response
None

Module: DFHSZRMP(DFHSZRIW)

XMEOUT parameters/Message inserts
1. date
2. time

DFHTCnnnn messages

DFHTC1001 applid Terminal control initialization failed (modname).

Explanation
The CICS terminal control restart task could not complete because a necessary step failed. The task has done some essential recovery operations and has abnormally terminated itself with code ATC1.

System action
CICS writes a transaction dump for the terminal control restart task. CICS sends two messages to the console, one to identify the error detected by the terminal control restart task, and one, DFHTC1001, to say that the task has failed. A third message follows, either to say that CICS has terminated abnormally with a dump or to ask you to reply GO or CANCEL. Depending on the nature of the original error, you may see messages from some other system component (for example, an access method).

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
First, if CICS has requested a response, you must reply. If you reply 'GO', CICS continues processing, but without terminal control. If you reply 'CANCEL', CICS terminates abnormally with a dump. Use the messages and dumps to find out the cause of the failure. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHSII1, DFHTCRP

DFHTC1002 applid Unable to link to program DFHTCRP.

Explanation
The CICS terminal control recovery program, DFHTCRP, is unavailable. CICS cannot find DFHTCRP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System action
CICS terminates abnormally with a dump.

User response
To correct this error, place DFHTCRP in a partitioned data set in the DFHRPL DD statement.

Module: DFHSII1

DFHTC1004 applid Program DFHTORP cannot be found. Typeterms cannot be initialized.

Destination

Console
The CICS terminal object resolution program, DFHTORP, is not available. CICS cannot find DFHTORP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System action
CICS terminates abnormally with a dump.

User response
To correct this error, place DFHTORP in a partitioned data set in the DFHRPL DD statement.

Module:
DFHTCRP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHTC1011 applid Unable to load xxxxxx

Explanation
During a cold or initial start, CICS could not install all the VTAM resources defined to CICS. CICS has issued other message(s) identifying which resources could not be installed.

System action
CICS initialization continues.

User response
If any of the uninstalled resources is essential, use RDO to make it available, or cancel CICS. The most likely reasons for this message are:

- A previous CICS message such as DFHTC1011, or
- CICS code contains a logic error.

If you suspect an error in CICS, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHTCRP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHTC1013 applid Restore failed for xxxxxx

Explanation
During a warm or emergency restart, CICS could not restore the resource xxxxxx.

System action
CICS continues initialization.

User response
If resource xxxxxx is essential to your system, cancel CICS. This problem is probably caused by a CICS logic error. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHTCRP

XMEOUT parameters/Message inserts
1. applid
Communication resource definition for (resname) was not restored from the catalog because the resource definition for (highname) was not installed.

During an emergency restart, CICS could not restore the resource resname from the catalog, because the definition for another resource highname that it depends on is not present. Usually resname is a session or modegroup and highname is a connection.

CICS continues restart, and deletes this resource from the CICS catalog. If the definition referred to was being installed when the previous CICS failed, both definitions are restored from the system log later in the restart.

If resource resname is essential to your system and is not restored later in initialization you can reinstall the resource having first installed the resource that it depends on. This message can be caused by:

- An install which was not complete when CICS failed, in which case it is forward recovered from the system log later, and no action is needed.
- A failure during warm shutdown in the previous run. In this case messages are produced for connections that were autoinstalled and were not uncataloged by the warm shutdown. In this case some autoinstalled connections which would have been removed from the catalog if the warm shutdown had completed are recovered, but those which cause these messages are not.
- A corrupted CICS catalog. If large numbers of unrelated resources are missing, and the preceding CICS run was not warm keypointing at the time of failure, the catalog may have been corrupted. CICS continues, but you may want to initial start in order to get your definitions to a known state.
- A CICS logic error. In this case you need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Either the incorrect TCT suffix was specified or implied, or the TCT has been assembled against the wrong level of CICS macros. Retry the bring-up, specifying a different suffix, or using a TCT assembled against the correct macros, as appropriate.

An error during XRF tracking prevented a change to a resource from being tracked. The resource is of type type and is associated with key key.

type is the tracking record type. This is one of the following:
**TCT CONTENTS**

**ZCP SESSIONS**

`key` is the location of an object in the TCTTE hierarchy.

**System action**

The associated resource is in an incorrect state, missing, or not deleted at the end of takeover.

**User response**

Decide whether the named resource is critical and see if you can resolve the problem.

**Module:** DFHTCRP

**XMEOUT parameters/Message inserts**

1. `applid`
2. `type`
3. `key`

**Destination**

Console

**DFHTC1023** `applid Logic error in tracking condition`

**Explanation**

During XRF tracking, a condition was detected which is not possible within the intended design. The insert indicates which of the checked conditions has been detected:

1. No broadcast message accepted outside tracking. The GETMSG routine in DFHTCRP should only accept broadcast messages and those whose id matches that in field GETMSPEC. This field should only be set during tracking.
2. Broadcast message with null key. A null-key record indicates that the catch-up stream that it arrives in is complete. This can only happen to the broadcast tracking stream if the active has just done a normal (warm) shut-down.

**System action**

The message in question is ignored.

**User response**

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHTCRP

**XMEOUT parameters/Message inserts**

1. `applid`
2. `condition`

**Destination**

Console

**DFHTC1024I** `applid XRF takeover while catching up.`

**Explanation**

The alternate CICS that issued this message has only just started. Apparently the active CICS failed before the alternate could obtain all the information about TCT resources in the active. Please refer to messages DFHTC1034-DFHTC1036 for details of the types of information which may be missing or may be incomplete.

**System action**

Takeover continues.

**User response**

Watch for further messages.

**Module:** DFHTCRP

**XMEOUT parameters/Message inserts**

1. `applid`

**Destination**

Console

**DFHTC1034I** `applid TCT contents incomplete. Will read catalog.`

**Explanation**

DFHTC1024 provides background information for this message. Apparently, the active CICS failed before the alternate CICS could obtain the definitions for all the trackable resources in the active's TCT. Definitions may be missing at this point. However, the CICS...
catalog in the active may contain a more complete set of definitions in the restart data set. These will now be read as for a warm or emergency restart.

**System action**
Takeover continues.

**User response**
Look out for any errors while reading the CICS catalog.

**Module:**
DFHTCRP

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**
Console

**Explanation**
DFHTC1035E provides background information for this message. Apparently, the active CICS failed before the alternate CICS could obtain the session-state for all the trackable resources in the active's TCT. States may be incorrect at this point.

**System action**
Takeover continues.

**User response**
Decide whether the implied level incompatibility exists and is expected. DFHTCRP

**Module:**
DFHTCRP

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**
Console

**Explanation**
DFHTC1036I indicates a level of incompatibility between the old active system and this system.

**System action**
Takeover continues.

**User response**
None.

**Module:**
DFHTCRP

**XMEOUT parameters/Message inserts**

1. **applid**

2. **nnnn**

**Destination**
Console

**Explanation**
An alternate is standing by and has received **nnnn** terminal control tracking messages from the active.

**System action**
Tracking continues.

**User response**
None.

**Module:**
DFHTCRP

**XMEOUT parameters/Message inserts**

1. **applid**

2. **nnnn**

**Destination**
Console

**Explanation**
DFHTC1040I provides background information for this message.
Explanation
An alternate is initializing, and is now about to start accepting messages from the active. Message DFHTC1044 should appear shortly.

System action
Initialization continues.

User response
None.

Module:
DFHTCRP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

Explanation
An alternate is taking over and is processing the remaining few tracking records from the active. This message is issued every 15 seconds while the takeover is held up for processing to complete. This is potentially an error, especially if it is repeated an unusual number of times. The likely causes include a delay in STANDBY BIND or UNBIND processing in VTAM, or a CICS logic error. The system issues this message twice and then flushes the outstanding tracking activity as described in message DFHTC1046.

System action:

User response
Look for message DFHTC1046.

Module:
DFHZXQO

XMEOUT parameters/Message inserts
1. applid

Destination
Console

Explanation
An XRF alternate system is preparing to standby and has received the first message from the active containing information about terminal control resources installed and/or bound before this alternate was started.

System action
Initialization continues.

User response
None.

Module:
DFHTCRP

XMEOUT parameters/Message inserts
1. applid

Destination
Console
DFHTC1045I  applid Terminal control catch-up complete.

Explanation
An XRF alternate system is standing by, and has now received all the terminal control information it needs about terminal control resources installed and/or bound in the active before this alternate was started.

System action
Normal tracking continues.

User response
None.

Module:
DFHTCRP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHTC1046I  applid Flushing terminal control tracking.

Explanation
An alternate is taking over and is processing the remaining few tracking records from the active. Message DFHTC1042 has been issued twice. DFHZXQO is now doing a controlled flush of the outstanding activity.

System action
CICS posts one outstanding action every 2 seconds in an attempt to free the hold-up. A system dump is taken for the first action only.

User response
This processing only occurs when an error or unforeseen circumstance arises. If the problem can be reproduced, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHZXQO

DFHTC1047I  applid Higher node missing. Record dropped for key

Explanation
An XRF alternate has received a tracking message from the active CICS, but either the associated system entry for this terminal is not present, or the ordering of terminal catalog records on the restart data set is incorrect (in that the terminal in error comes before the associated system entry).

key is the location of an object in the TCTTE hierarchy. This situation occurs if the active CICS was unable to send all of its tracking messages. This sometimes results in the system entry not being sent.

System action
The tracking message is discarded and so the associated action (an INSTALL or LOGON) is not performed.

User response
Ensure the CAVM message data set is large enough and restart the alternate. Check that the active CICS job is referring to the correct restart data set.

Module:
DFHTCRP

XMEOUT parameters/Message inserts
1. applid
2. key

Destination
Console

DFHTC1060  applid Insufficient storage - code('X'code') in module DFHTCRP.

Explanation
A request for storage could not be satisfied in module DFHTCRP. The specific error is identified by the 'X'code' in the message. This implies that the dynamic storage area (DSA) size is too small. The 'X'code' identifies an exception trace record.
**System action**

Terminal control initialization is terminated with a system dump and message DFHTC1001 is issued.

**User response**

Since sufficient storage should be obtainable from within the minimum size DSA, this may imply a logic error within CICS. Try to increase the CDSASZE parameter in the system initialization table (SIT). If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHTCRP

**XMEOUT parameters/Message inserts**

1. applid
2. X'code'

**Destination**

Console

DFHTC1575 applid No TCT entry for termid

**Explanation**

This message is issued when system initialization reads a warm start record for which there is no matching terminal control table (TCT) entry. termid is the the name of the terminal that is missing.

**System action**

The record is ignored.

**User response**

If terminal termid is required, system initialization should be canceled.

**Module:**

DFHTCRP

**XMEOUT parameters/Message inserts**

1. applid
2. sysid1
3. sysid2

**Destination**

Console

DFHTC2500 date time applid {Line | CU | Terminal }out of service {Term | W/ Term } termid

**Explanation**

This message indicates the OUT-OF-SERVICE conditions on completion of error processing in DFHTACP. It is possible that some of these conditions were true before the error was detected.

**System action**

Other processing continues.

**User response**

None.

**Module:**

DFHTACP
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. Value chosen from the following options:
   1=Line ,
   2=CU ,
   3=Terminal
5. Value chosen from the following options:
   1=Term ,
   2=W/Term
6. termid

Destination
CSMT

DFHTC2501  Msg too long, please resubmit

Explanation
The terminal operator has keyed in more data than was expected for this READ.

System action
The transaction in progress is terminated.

User response
Reset the terminal and restart the transaction after the message TRANSACTION HAS BEEN ABENDED has been received.

Module:
DFHTACP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. Value chosen from the following options:
   1=on line w/term ,
   2=at term
5. termid
6. Value chosen from the following options:
   1=, trans
   2=, dest
7. tranid/destid
8. Value chosen from the following options:
   1=, rel line=
9. rr
10. time

Destination
Terminal End User

DFHTC2502  date time applid TCT search error {on line w/term | at term} termid {, trans | , dest} tranid/destid {, rel line=} rr, time

Explanation
An invalid terminal address was received on the line identified by terminal termid. This error can normally occur only on control unit devices such as a 2980 or a 3270. This is because CICS uses general polling and not all terminals on the control unit may be defined to CICS. All other conditions are undefined. The optional part of the message " dest destid " applies only to TCAM. The destination destid is given when it does not match any of the network names (netnames) specified on the TCTTE generation.

System action
The control unit is placed out of service or, if it is not a general polled device, the line is placed out of service.

User response
Ensure that all terminals on the failing control unit are defined to CICS.

Where applicable, ensure that the TCAM MCP terminal generation names match the CICS DFHTCT TYPE=TERMINAL NETNAME parameter.

Module:
DFHTACP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. Value chosen from the following options:
   1=on line w/term ,
   2=at term
5. termid
6. Value chosen from the following options:
   1=, trans
   2=, dest
7. tranid/destid
8. Value chosen from the following options:
   1=, rel line=
9. rr
10. time

Destination
CSMT

DFHTC2506  date time applid Output event rejected return code zz {on line w/ term | at term} termid {, trans } tranid {, rel line=} rr time

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Explanation
An output operation was attempted but was halted by the I/O routines and resulted in the SAM return code zz. If an abnormal condition is detected after a READ or WRITE macro instruction, the operation is not started, and control is returned to the user program at the instruction following the READ or WRITE macro.

System action
The line is placed out of service.

User response
Ensure that the system is dumped at shutdown time in order to document the failure.

Module: DFHTACP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. zz
5. Value chosen from the following options:
   1=on line w/term,
   2=at term
6. termid
7. Value chosen from the following options:
   1=, trans
8. tranid
9. Value chosen from the following options:
   1=, rel line=
10. rr
11. time

Destination
CSMT

DFHTC2507 date time applid Input event rejected return code zz {on line w/term | at term} termid {, trans} tranid {, rel line=} rr, time

Explanation
An input operation was attempted but was halted by the I/O routines and resulted in the SAM return code zz. If an abnormal condition is detected after a READ or WRITE macro instruction, the operation is not started, and control is returned to the user program at the instruction following the READ or WRITE macro instruction.

System action
The line is placed out of service.

User response
Ensure the system is dumped at shutdown time in order to document the failure.

Module: DFHTACP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. zz
5. Value chosen from the following options:
   1=on line w/term,
   2=at term
6. termid
7. Value chosen from the following options:
   1=, trans
8. tranid
9. Value chosen from the following options:
   1=, rel line=
10. rr
11. time

Destination
CSMT

DFHTC2511 date time applid Invalid write request {on line w/term | at term} termid {, trans} tranid {, rel line=} rr, time

Explanation
This message is issued when one of the following has occurred.
1. A transaction has issued a write to its terminal facility that currently has a terminal status of input.
2. A transaction has issued a write to a 3735 during batch transmission prior to receipt of the end-of-file (EOF) condition.

**System action**
The write request is not executed, and the transaction terminates abnormally. CICS processing continues.

**User response**
The user response depends on the condition that has occurred. For condition
1. ensure that transactions do not issue write requests to terminals in input status.
2. ensure that the 3735 batch transaction does not issue its first write request before it has received the EOF condition.

**Module:**
DFHTACP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. Value chosen from the following options:
   1. on line w/term
   2. at term
5. termid
6. Value chosen from the following options:
   1. trans
7. tranid
8. Value chosen from the following options:
   1. rel line
9. rr
10. time

**Destination**
CSTL

**Explanation**
The data length in TIOATDL was not positive for a write operation.

**System action**
The transaction is abnormally terminated.

**User response**
Correct the zero or negative data length specification in the application program.

**Module:**
DFHTACP

**DFHTC2513**

**XMEOUT parameters/Message inserts**
1. date
time
2. applid
3. Value chosen from the following options:
   1. on line w/term
   2. at term
4. termid
5. Value chosen from the following options:
   1. trans
7. tranid
8. Value chosen from the following options:
   1. rel line
9. rr
time

**Destination**
CSMT

**DFHTC2514**

**Explanation**
A write was requested on terminal termid by transaction tranid. However, the TCTTEDA field was not initialized.
System action
The write request is not executed, and the transaction terminates abnormally. CICS processing continues.

User response
Ensure that transaction tranid obtains the required storage and initializes the TCTTEDA field.

Module: DFHTACP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. Value chosen from the following options:
   1=on line w/term ,
   2=at term
5. termid
6. Value chosen from the following options:
   1=, trans
7. tranid
8. Value chosen from the following options:
   1=, rel line=
9. rr
10. time

Destination
CSTL

DFHTC2515  
*date* time applid Output area exceeded {on line w/term / at term} termid {, trans} tranid {, rel line=} rr, time

Explanation
One of the following has occurred:
- The terminal I/O area (TIOA) is not large enough to contain both the data and carrier control characters.
- The TIOA data length is greater than the TCAM block size specified in the DFHTCT TYPE=SDSCI macro.
- The application requires a TIOA larger than 32767 bytes.

System action
The write request is not executed, the terminal write storage is freed (if possible), and the transaction terminates abnormally. CICS processing continues.

User response
Ensure that application programs do not set the value of TIOATDL greater than the TIOA GETMAIN size, and that the TIOA data length is not greater than the TCAM blocksize. Also ensure that the application program does not require a TIOA larger than 32767 bytes.

Module: DFHTACP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. Value chosen from the following options:
   1=on line w/term ,
   2=at term
5. termid
6. Value chosen from the following options:
   1=, trans
7. tranid
8. Value chosen from the following options:
   1=, rel line=
9. rr
10. time

Destination
CSTL

DFHTC2516  
*date* time applid Unit check  
SNS=ss {on line w/term / at term} 
termid {, trans} tranid {, rel line=} rr, time

Explanation
A unit check error has occurred on the line defined by terminal termid. The sense (SNS=ss) is provided. D/T 3275 dialed gives an automatic two-minute time out if there is no activity on the line.
**System action**

The line is placed out of service on SAM lines.

Intervention on a switched line causes the task to be abnormally terminated and the line to be logically disconnected. Intervention on a non-switched line with a dummy (unidentified) terminal causes the line to be placed out of service. With a real terminal, intervention causes the terminal to be placed out of service and the transaction to be abnormally terminated.

A data check with a dummy terminal causes the line to be placed out of service. With a real terminal, it causes the terminal to be placed out of service and the transaction to be abnormally terminated.

Lost data on a READ,TEXT command causes a MESSAGE TOO LONG response to be sent to the terminal. The transaction is abnormally terminated.

Time-out on a READ,TEXT command causes a MESSAGE TOO LONG response to be sent to the terminal. Time-out with a dummy terminal causes the line to be placed out of service. With a real terminal, it causes the terminal to be placed out of service and the transaction to be abnormally terminated.

**User response**

Examine the system console log message generated by SAM for this error and have the unit error corrected.

**Module:** DFHTACP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. ss
5. Value chosen from the following options:
   1. = on line w/term
   2. = at term
6. termid
7. Value chosen from the following options:
   1. = , trans
8. tranid
9. Value chosen from the following options:
   1. = , rel line=
10. rr

**Destination**

CSMT

**DFHTC2517** date time applid Unit check SNS=ss, S.N.O. {on line w/term | at term} termid {, trans} tranid {, rel line=} rr, time

**Explanation**

A unit check error has occurred on the line defined by terminal termid. SAM indicates this error as undefined - S.N.O (should not occur). The sense (SNS=ss) is provided.

**System action**

The line is placed out of service on SAM lines.

Intervention on a switched line causes the task to be abnormally terminated and the line to be logically disconnected. Intervention on a non-switched line with a dummy (unidentified) terminal causes the terminal to be placed out of service and the transaction (task) to be abnormally terminated. With a real terminal, intervention causes the terminal to be placed out of service and the transaction to be abnormally terminated.

A data check with a dummy terminal causes the line to be placed out of service. With a real terminal, it causes the terminal to be placed out of service and the transaction to be abnormally terminated.

A time-out on a READ,TEXT command causes a MESSAGE TOO LONG response to be sent to the terminal. Time-out with a dummy terminal causes the line to be placed out of service. With a real terminal, it causes the terminal to be placed out of service and the transaction to be abnormally terminated.

**User response**

Examine the system console log message generated by SAM for this error and have the unit error corrected.

**Module:** DFHTACP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. ss
5. Value chosen from the following options:
A unit exception error occurred on the line defined by terminal termid. SAM indicates this error as undefined - S.N.O (should not occur).

System action
With a:
- Switched line, the transaction is abnormally terminated and the line is logically disconnected.
- Dummy terminal, the line is placed out of service.
- Real terminal, the terminal is placed out of service and the transaction is abnormally terminated.

User response
Examine the system console log message generated by SAM for this error. Have the unit error corrected.

Module:
DFHTACP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=on line w/term ,
   2=at term
5. termid
6. Value chosen from the following options:
   1=, trans
7. tranid
8. Value chosen from the following options:
   1=, rel line=
9. rr
10. time

Destination
CSMT

DFHTC2519 date time applid Unit exception on {on line w/term | at term } termid {, trans } tranid {, rel line=} rr,time

Explanation
A unit exception error has occurred on the line defined by terminal termid. SAM indicates this error as undefined - S.N.O (should not occur).

User response
Examine the system console log message generated by SAM for this error. Have the unit error corrected.

Module:
DFHTACP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=on line w/term ,
   2=at term
5. termid
6. Value chosen from the following options:
   1=, trans
   7. tranid
   8. Value chosen from the following options:
      1=, rel line=
      9. rr
      10. time

**Destination**
CSMT

**Explanation**
An I/O error (that was not a unit check, a unit exception, or a negative response) occurred on the line defined by terminal termid.

**System action**
The line associated with terminal termid is placed out of service.

**User response**
Examine the system console log message generated by SAM for this error. Have the unit error corrected.

**Module:**
DFHTACP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=on line w/term,
   2=at term
5. termid
6. Value chosen from the following options:
   1=, trans
   7. tranid
   8. Value chosen from the following options:
      1=, rel line=
      9. rr
      10. time

**Destination**
CSMT

**Explanation**
The task associated with terminal termid and transaction tranid was to have been abnormally terminated, but TPURGE(NO) was specified in the CSD definition for this task.

**System action**
The terminal is placed out of service.

**User response**
Use the main terminal facility to intercept or terminate the task.

**Module:**
DFHTACP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. termid
5. Value chosen from the following options:
   1= transaction
   6. tranid
   7. time

**Destination**
CSMT

**Explanation**
Input has occurred on a control unit (general poll) for which terminal termid is out of service or has a task that has not issued a DFHTC TYPE=READ macro.
System action
No action is performed by CICS. Control is given to a user-written terminal error program, DFHTEP.

User response
Code DFHTEP as dictated by environmental needs.

Module:
DFHTACP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=on line w/term ,
   2=at term
5. termid
6. Value chosen from the following options:
   1=, trans
7. tranid
8. Value chosen from the following options:
   1=, rel line=
9. rr
10. time

Destination
CSMT

DFHTC2534 date time applid Link to DFHTEP from DFHTACP failed because {module DFHTEP is not AMODE 31 | module DFHTEP could not be loaded | there is no resource definition for program DFHTEP}.

Explanation
While processing an error for a non-VTAM terminal, CICS attempted to link to user replaceable module DFHTEP. The link failed. One or more of the default actions described in message DFHTC2538 have been taken.

System action
The default action(s) set by DFHTACP are taken.

User response
Refer to message DFHTC2538 for an explanation of the default action(s) that have been taken.

Possible solutions are:
- Ensure that DFHTEP is linked with AMODE 31.
- Ensure that DFHTEP is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.
- Ensure that the PROGRAM resource definition for module DFHTEP is installed.

Module:
DFHTACP

XMEOUT parameters/Message inserts
1. date
2. Time
3. Applid
4. Value chosen from the following options:
   1 = Module DFHTEP is not AMODE 31,
   2 = Module DFHTEP could not be loaded,
   3 = There is no resource definition for program DFHTEP

Destination
CSMT

DFHTC2537  date time applid Abend abcode has occurred in module DFHTEP.

Explanation
While processing an error for a non-VTAM terminal, user replaceable module DFHTEP was linked to and the program has abended with abend code abcode. One or more of the default actions described in message DFHTC2538 have been taken.

System action
Control is passed back to the calling module DFHTACP. DFHTACP reinstates the default action(s) set before DFHTEP was called. The action(s) are then taken.

User response
Refer to message DFHTC2538 for an explanation of the default action(s) that have been taken. Refer to abend code abcode for details of the original error. Follow the user response given in abend code abcode to solve the problem.

Module:
DFHTACP

XMEOUT parameters/Message inserts
1. Date
2. Time
3. Applid
4. Abcode

Destination
CSMT

DFHTC2538  date time applid Default actions actions have been taken for message number relatedmessage.

Explanation
A problem has arisen during the processing of an error for a non-VTAM terminal and message msgno has been issued. The explanations for all possible default actions are as follows:

Action    Meaning
LINEOS    Place line out of service
NONPRGT   Non purgeable task
TERMOS    Place terminal out of service
ABENDT    Abend task on terminal
ABORTWR   Abort write and free terminal storage
RELTIOA   Release TCAM incoming message
SIGNOFF   Call the signoff program for terminal in error

System action
The system action is stated in message related message.

User response
Follow the guidance given in the user response section of message related message.

Module:
DFHTACP

XMEOUT parameters/Message inserts
1. Date
2. Time
3. Applid
4. Actions
5. Relatedmessage

Destination
CSMT
**Explanation**

CICS has detected a violation of SNA protocols in a query response from device termid.

**System action**

DFHQRY runs without effect.

**User response**

Find out why an invalid query response is being sent to CICS.

**DFHTDnnnn messages**

**DFHTD0001**

`applid` An abend (code `aaa/bbbb`) has occurred at offset `X'offset'` in module `modname`.

**Explanation**

An abnormal end (abend) or program check has occurred in module `modname`. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code `aaa/bbbb` is a three 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, OC1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; TS1310 refers to message DFHTS1310).

**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the `z/OS MVS System Codes` manual. Then look up the CICS alphanumeric code. This tells you, for example, whether the error is a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module `modname` is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module `modname`, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see `Working with IBM to solve your problem` for guidance on how to proceed.

**Note:**

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:**

DFHTDA, DFHTDB, DFHTDRM, DFHTDOC

**XMEOUT parameters/Message inserts**

1. `applid`
2. `aaa/bbbb`
3. `X'offset'`
4. `modname`

**Destination**

Console
A severe error (code X'code') has occurred in module modname.

Explanation
An error has been detected in module modname. The code X'code' is the exception trace point id which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the Troubleshooting and support.

System action
An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
The severity of this error depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDA, DFHTDB, DFHTDRM, DFHTDOC

XMEOUT parameters/Message inserts
1. applid
2. X'code'

Destination
Console

DFHTD0100I applid Transient Data initialization has started.

Explanation
This is an informational message indicating that transient data initialization has started.

System action
System initialization continues.

User response
None. The message can be suppressed with the system initialization parameter MSGLEVEL=0.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDRP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHTD0101I applid Transient Data initialization has ended.

Explanation
This is an informational message indicating that transient data initialization has completed successfully.

System action
System initialization continues.

User response
None. The message can be suppressed with the system initialization parameter MSGLEVEL=0.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:** DFHTDRP, DFHTDRM

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

**DFHTD0102** applid Transient Data initialization has failed.

**Explanation**

Transient data initialization has failed.

The SETXIT routine in DFHTDRP has been entered following abnormal termination of the transient data initialization task.

Alternatively an attempt to open the intrapartition data set failed.

**System action**

Provided there are no subsequent serious errors which prevent further initialization of CICS, CICS issues one of two messages depending on what other errors, if any, have occurred during initialization.

If DFHSI1521 is issued, CICS initialization is terminated. If DFHSI1522 is issued, decide if CICS initialization is to be continued in degraded mode or to be terminated.

If, as part of a restart of CICS rather than during an initial start or a cold start, the intrapartition data set fails to open successfully when it was successfully opened on the previous CICS run, message DFHSI1521 is issued and CICS is terminated.

**User response**

Check previous console messages, one of which should explain why transient data initialization has failed.

**Note:**

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:** DFHTDRP

**DFHTD0103I** applid Transient Data initialization has been suspended pending takeover.

**Explanation**

This is an informational message indicating that transient data initialization has been suspended pending takeover. Some transient data initialization can be performed while CICS is operating in standby mode. However the remaining initialization can not be performed until takeover is complete because transient data sets, with the exception of the DFHCXRF data set, are assumed to be passively shared.

**System action**

System initialization continues.

**User response**

None. The message can be suppressed with the SIT parameter MSGLVL=0.

**Note:**

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:** DFHTDRP

**DFHTD0104I** applid Transient Data initialization has been resumed following takeover.

**Explanation**

This is an informational message indicating that transient data initialization has been resumed following takeover.
System action
System initialization continues.

User response
None. This message can be suppressed with the system initialization parameter MSGLVL=0.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDRP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHTD0105I applid Transient Data intrapartition queues will be initialized empty as EMPTY was specified on the TDINTRA SIT parameter.

Explanation
This is an informational message indicating that transient data is being initialized with TDINTRA=EMPTY specified on the SIT. This has the effect of initializing all intrapartition TD queues in an empty state. The TDINTRA SIT parameter is ignored during a cold or initial start.

System action
System initialization continues.

User response
None. The message can be suppressed with the system initialization parameter MSGLVL=0.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDRP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHTD0170 applid The intrapartition data set has been corrupted.

Explanation
During a warm or emergency restart, CICS has found that the contents of the intrapartition data set are not consistent with that recorded by CICS. The intrapartition data set could have been corrupted.

System action
CICS terminates after producing a dump and writing an exception trace.

A system dump with dumpcode TD0170 is taken unless you have specifically suppressed dumps in the dump table.

User response
Reinitialize the intrapartition data set.
Perform a cold start or an initial start of CICS.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDRM

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHTD0180 applid Unexpected response (code X'response') and reason (code X'reason') from a dfhxxyym call.

Explanation
A transient data module cannot continue processing following the failure of a dfhxxyym call to domain xx.

The response (code X'response') and reason (code X'reason') are those returned from the domain call (that is, xxyy_response and xxyy_reason).

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDRP

XMEOUT parameters/Message inserts
1. applid
System action

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0180 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Note:

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:

DFHTDA, DFHTDB, DFHTDOC, DFHTDRM

XMEOUT parameters/Message inserts

1. applid
2. X'response'
3. X'reason'
4. dfhxxyym

Destination

Console

DFHTD0182

applid Unexpected response (code X'response') and reason (code X'reason') from a dfhxxyym call during processing of intrapartition queue queue.

Explanation

The trigger level has been reached for intrapartition transient data queue queue.

Module DFHTDB or DFHTDRM could not initiate the associated transaction following the response of a dfhxxyym call to domain xx.

The response (code X'response') and reason (code X'reason') are those returned from the domain call (that is, xxyy_response and xxyy_reason).

Initiation of the associated transaction has failed.

System action

This is probably a CICS logic error.

Each subsequent write to the transient data queue causes another attempt to initiate the transaction, which will fail. However, this message is only issued the first time the error is detected.

CICS writes a dump and continues processing. Message DFHME0116, which contains the symptom string for this problem, is produced.
User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDB, DFHTDRM

XMEOUT parameters/Message inserts
1. applid
2. X’reponse’
3. X’reason’
4. dfhxxyym
5. queue

Destination
Console

DFHTD0240 applid Queue queue (DD name ddname) is full.

Explanation
No more data can be written to extrapartition queue queue.
A system abend, MVS code X’37’, has occurred during processing on the data set with ddname ddname.

System action
If the system abend occurs during processing of an EXEC CICS WRITEQ TD command, the NOSPACE condition is returned.
If the system abend occurs during processing of an EXEC CICS SET TDQUEUE CLOSED command, the data set is not closed and the IOERR condition is returned.
Note that a second attempt to close the data set succeeds.

User response
Consider allocating more space to the data set before you bring CICS up again.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDA, DFHTDOC

XMEOUT parameters/Message inserts
1. applid
2. abcode
3. queue
4. ddname

Destination
Console

DFHTD0242 applid Abend abcode has been detected during processing for queue queue (DD name ddname).

Explanation
A system abend, MVS code abcode, has occurred during processing on the extrapartition queue queue (that is, the data set with ddname ddname).

System action
A system dump with dumpcode TD0242 is taken unless you have specifically suppressed dumps in the dump table.
Since this may not be a critical error, CICS is not terminated, and the IOERROR condition is returned.

User response
Examine the CICS job log. QSAM issues a message explaining the reason for the system abend. See z/OS MVS System Messages, Volume 1 (ABA-AOM) for a description of this message.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.
DFHTD0244  applid An I/O error has occurred during an output operation to an extrapartition dataset for queue queue. (DD name = ddname).

Explanation
An I/O error has occurred during the processing of an output operation to the extrapartition data set ddname on queue queue.

System action
An IOERR condition is returned. Subsequent put requests are returned IOERR.

User response
Close data set ddname via CEMT. If the I/O errors persist after a subsequent open, you probably need to reallocate this data set on a different volume.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDB

XMEOUT parameters/Message inserts
1. applid
2. ddname

Destination
Console

DFHTD0245  applid NOSPACE condition on a PUT to the intrapartition data set (DD name ddname). The RBA of the next CI would have exceeded 2 gigabytes.

Explanation
An attempt to write to intrapartition transient data set with ddname ddname has failed due to a NOSPACE condition. CICS did attempt to extend the data set but the relative byte address (RBA) of the next control interval (CI), if it were added, would have exceeded 2 gigabytes (x'7FFFFFFF').

System action
The system continues normally.

User response
Delete unwanted transient data queues from the intrapartition data set.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDB

XMEOUT parameters/Message inserts
1. applid

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2. queue
3. ddname

**Destination**
Console

DFHTD0247 **applid** NOSPACE condition on a PUT to the intrapartition data set (DD name **ddname**). The data set is full.

**Explanation**
An attempt to write to intrapartition transient data set with ddname **ddname** has failed due to a NOSPACE condition. CICS did attempt to extend the data set but no secondary space was defined or available.

**System action**
The system continues normally.

**User response**
Delete unwanted transient data queues from the intrapartition data set, or consider redefining the intrapartition data set with additional secondary storage allocation.

**Note:**
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:**
DFHTDB

**XMEOUT parameters/Message inserts**
1. **applid**
2. **ddname**

**Destination**
Console

DFHTD0250 **applid** Dynamic allocation of queue **queue** failed. Return code X'rrrr',X'cccc' in module **module**.

**Explanation**
While dynamically allocating queue **queue**, CICS transient data issued an MVS DYNALLOC macro. The DYNALLOC failed with return code **cccc**. **rrrr** is the return code in register 15.

**System action**
CICS continues with the queue closed, but still allocated.

**User response**
For the meaning of the DYNALLOC return codes, see the z/OS MVS Programming: Authorized Assembler Services Guide.

**Note:**
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:**
DFHTDOC

**XMEOUT parameters/Message inserts**
1. **applid**
2. **queue**
3. **X'rrrr'**
4. **X'cccc'**
5. **module**

**Destination**
Console

DFHTD0251 **applid** Dynamic deallocation of queue **queue** failed. Return code - X'rrrr',X'cccc' in module **module**.

**Explanation**
While closing queue **queue**, CICS transient data issued the MVS macro, DYNALLOC, to dynamically deallocate the queue. Deallocation failed with the MVS return code, **cccc**. **rrrr** is the return code in register 15.

**System action**
CICS continues with the queue closed, but still allocated.

**User response**
If you change the DSNAME attribute in the resource definition for the transient data queue, and then reopen the queue in the same CICS run, CICS may open the original data set. For an explanation of the MVS return code, see the z/OS MVS Programming: Authorized Assembler Services Guide.

**Note:**
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:**
DFHTDOCC

**XMEOUT parameters/Message inserts**

1. applid
2. queue
3. X’rrrr’
4. X’cccc’
5. module

**Destination**
Console

**DFHTD0252** applid Open of queue queue failed. DSNAME not available from JCL or resource definition. Module module.

**Explanation**

An attempt by CICS to open queue queue failed because neither the JCL nor the resource definition for the queue specified the data set name.

CICS transient data has not opened queue queue, for the following reasons:

- At initialization time, the startup JCL did not include a DD statement.
- No user-submitted routine allocated the queue dynamically.
- The TDQUEUE resource definition does not contain a DSNAME attribute to enable CICS to allocate the file dynamically.

**System action**

CICS continues processing with queue queue closed.

**User response**

Before resubmitting the transaction, supply the data set name in the JCL or the resource definition.

**Note:**

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:**
DFHTDOCC

**XMEOUT parameters/Message inserts**

1. applid
2. queue
3. module

**Destination**
Console

**DFHTD0340** applid Transaction tranid initiated when the trigger level is reached for Transient Data queue queue is defined as REMOTE. The transaction initiation has failed.

**Explanation**

The trigger level has been reached for the transient data queue queue. The transaction associated with the queue is remote, which is invalid for trigger transactions. The initiation of the transaction has, therefore, failed.

**System action**

Until the error is corrected, each subsequent write to the transient data queue causes another attempt to initiate the transaction, which fails. However, in order to avoid filling the log with messages, this message is only issued the first time the error is detected.

**User response**

If the transaction ID specified in the TDQUEUE resource definition is incorrect, amend the resource definition to specify a transaction that is local.

**Note:**

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:**
DFHTDXM

**XMEOUT parameters/Message inserts**

1. applid
2. tranid
3. queue

**Destination**
Console

**DFHTD0341** applid Transaction tranid associated with the trigger level...
for Transient Data queue queue has not been initiated.

Explanation
The trigger level has been reached for transient data queue queue. Initiation of the associated transaction has failed due to an error in system set up.

System action
Until the error is corrected, each subsequent write to the transient data queue causes another unsuccessful attempt to initiate the transaction. However, in order to avoid filling the log with messages, this message is only issued the first time the error is detected.

User response
Check the TDQUEUE resource definition for the transient data queue. The queue must have a transaction associated with it that exists, is defined as local, and is installed.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDB, DFHTDRM

XMEOUT parameters/Message inserts
1. applid
2. tranid
3. queue

Destination
Console

DFHTD0342 applid Transaction tranid associated with the trigger level for Transient Data queue queue has not been scheduled.

Explanation
The trigger level has been reached for the transient data queue queue. The schedule of the associated transaction has failed due to an error in system set up.

System action
Until the error is corrected, each subsequent write to the transient data queue causes another attempt to schedule the transaction, which fails. However, in order to avoid filling the log with messages, this message is only issued the first time the error is detected.

User response
Check the following and amend if necessary:
- The queue must have a transaction associated with it that exists, is defined as local, and is installed. The transaction was local since the Remote attributes were not set in the transaction definition, yet the dynamic parm indicated that it could be remote.
- For a transient data queue defined with an ATIFACILITY attribute of SYSTEM or TERMINAL, the named facility must exist, and any required system links must be installed and in service.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDB, DFHTDRM

XMEOUT parameters/Message inserts
1. applid
2. tranid
3. queue

Destination
Console

DFHTD0343 DATE TIME APPLID Automatic transaction restart for transaction tranid processing TD queue queue-name has failed.

Explanation
A transaction that was attached when a TD trigger level was reached is ending abnormally and automatic transaction restart was requested for this transaction via the user replaceable module DFHREST. A severe error occurred when CICS attempted to restart the transaction.

System action
Message DFHAP0002 is issued with a dump for the severe error that caused the restart to fail. Abnormal termination of the transaction for which restart was requested continues. The transaction is not automatically restarted.
The system attempts to reattach the trigger level transaction when the next TD request is received for this TD queue and the trigger level has been reached or exceeded.

**User response**

Investigate the reason for the earlier severe error. See message DFHAP0002 for further guidance.

**Note:**

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:**

DFHTDXM

**XMEOUT parameters/Message inserts**

1. DATE
2. TIME
3. APPLID
4. tranid
5. queue-name

**Destination**

Console

| DFHTD0360 | applid Logical I/O error occurred during a GET request to the intrapartition data set (DD name ddname); VSAM return codes are R15=\textquoteleft X'\text{retcode}' \textquoteleft, FDBK=\textquoteleft X'\text{fdbkcode}' \textquoteleft. |

**Explanation**

An attempt to read a control interval from the intrapartition data set with ddname ddname has failed due to a logical I/O error. retcode is the return code in register 15 and fdbkcode is the value of the feedback field in the request parameter list (RPL).

**System action**

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0360 is taken unless you have specifically suppressed dumps in the dump table.

**User response**

Message DFHME0116, which contains the symptom string for this problem, is produced. For the meaning of the codes in the message, refer to the z/OS DFSMS Macro Instructions for Data Sets.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Note:**

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:**

DFHTDB, DFHTDRM

**XMEOUT parameters/Message inserts**

1. applid
2. ddname
3. X'\text{retcode}'
4. X'\text{fdbkcode}'

**Destination**

Console

| DFHTD0361 | applid Logical I/O error occurred during a PUT request to the intrapartition data set (DD name ddname); VSAM return codes are R15=\textquoteleft X'\text{retcode}' \textquoteleft, FDBK=\textquoteleft X'\text{fdbkcode}' \textquoteleft. |

**Explanation**

An attempt to write or rewrite a control interval to the intrapartition data set with ddname ddname has failed due to a logical I/O error. retcode is the return code in register 15 and fdbkcode is the value of the feedback field in the request parameter list (RPL).

**System action**

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0361 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

For the meaning of the codes in the message, refer to the z/OS DFSMS Macro Instructions for Data Sets.
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDB, DFHTDRM

XMEOUT parameters/Message inserts
1. applid
2. ddname
3. X’retcode’
4. X’fdbkcode’

Destination
Console

DFHTD0362 applid Physical I/O error occurred during a GET request to the intrapartition data set (DD name ddname); VSAM return codes are R15=X’retcode’, FDBK=X’fdbkcode’.

Explanation
An attempt to read a control interval from the intrapartition data set with ddname ddname has failed due to a physical I/O error. retcode is the return code in register 15 and fdbkcode is the value of the feedback field in the request parameter list (RPL).

System action
A system dump with dumpcode TD0362 is taken unless you have specifically suppressed dumps in the dump table.
This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

User response
For the meaning of the codes in the message, refer to the z/OS DFSMS Macro Instructions for Data Sets.
A copy of the physical error message produced by VSAM appears in (one of) the transient data VSAM error message area(s) in the system dump.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDB, DFHTDRM

DFHTD0363 applid Physical I/O error occurred during a PUT request to the intrapartition data set (DD name ddname); VSAM return codes are R15=X’retcode’, FDBK=X’fdbkcode’.

Explanation
An attempt to write or rewrite a control interval to the intrapartition data set with ddname ddname has failed due to a physical I/O error. retcode is the return code in register 15 and fdbkcode is the value of the feedback field in the request parameter list (RPL).

System action
A system dump with dumpcode TD0363 is taken unless you have specifically suppressed dumps in the dump table.
This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

User response
For the meaning of the codes in the message, refer to the z/OS DFSMS Macro Instructions for Data Sets.
A copy of the physical error message produced by VSAM will appear in (one of) the transient data VSAM error message area(s) in the system dump.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDB, DFHTDRM
XMEOUT parameters/Message inserts

1. applid
2. ddname
3. X'retcode'
4. X'fdbkcode'

Destination

Console

DFHTD0380 applid Illegal attempt to read control interval 0 for the intrapartition data set (DD name ddname).

Explanation

Control interval 0 in the intrapartition data set is reserved for transient data control information. The remaining control intervals are allocated to hold data for queues as determined by transient data processing on behalf of application program requests.

An invalid attempt has been made to read control interval 0 for the intrapartition data set with ddname ddname.

System action

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0380 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Each CICS record for an intrapartition transient data queue contains pointers which, if the queue is not empty, are relative byte addresses (RBAs) associated with the intrapartition data set with ddname.

Furthermore each allocated control interval, apart from the first, contains one or more user records as well as a queue control record. This latter record, the first in the control interval, contains the forward chain pointer or RBA for the next control interval containing data for the queue.

In each case, transient data assumes that RBAs address record boundaries within the intrapartition data set.

The assumption can be violated in several ways. The type of violation may be determined from:

- a control interval print of the intrapartition data set, or
- using Access Method Services, or
- using the system dump.

Violations include:

- THE WRONG INTRAPARTITION DATA SET WAS USED If the wrong data set has been used, that is, the data set used for this CICS start up was not used for the previous CICS start up, then it is highly probable that most of the RBAs in the CICS records for an intrapartition transient data queue will not address record boundaries in the intrapartition data set. A cold start or an initial start of CICS must be carried out.

- THE INTRAPARTITION DATA SET WAS ALTERED If the records have been moved, possibly through data set compression, then it is highly probable that control interval 0 will contain more than one record and that most of the RBAs in the CICS records for an intrapartition transient data queue will not address record boundaries in the intrapartition data set. A cold start or an initial start of CICS must be carried out.

- A CICS record for an intrapartition transient data queue WAS CORRUPTED If a CICS record for an intrapartition transient data queue has been corrupted, it is highly probable that just one or two RBAs will not address record boundaries in the intrapartition data set. A specialized trap may be required to identify the offending program. CICS may be restarted. An emergency restart for transient data will result in the RBAs being reconstructed from the system log and the intrapartition data set.

- AN I/O BUFFER WAS CORRUPTED If an I/O buffer has been corrupted, it is highly probable one of the RBAs in the CICS record for an intrapartition transient data queue will not address record boundaries in the I/O buffer. A specialized trap may be required to identify the offending program. CICS may be restarted. An emergency restart for transient data results in the RBAs being reconstructed from the system log and the intrapartition data set.

Note: If the contents of the I/O buffer were written to the intrapartition data set between the occurrence...
of the error and its detection, it may prove necessary to perform a cold start or an initial start of CICS.

- A CICS LOGIC ERROR OCCURRED If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.
- The High Write RBA of the DFHINTRA data set may have reached, or exceeded, the allowed maximum value of x'7FFFFFFF'.

CICS may be restarted. An emergency restart for transient data will back out all uncommitted records from the intrapartition queues.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDB, DFHTDRM

XMEOUT parameters/Message inserts
1. applid
2. ddname

Destination
Console

DFHTD0381 applid Invalid attempt to (re)write control interval 0 for the intrapartition data set (DD name ddname).

Explanation
Control interval 0 in the intrapartition data set is reserved for transient data control information; the remaining control intervals are allocated to hold data for queues as determined by transient data processing on behalf of application program requests.

An invalid attempt has been made to (re)write control interval 0 for the intrapartition data set with ddname ddname.

System action
This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0381 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Refer to message DFHTD0380.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDB, DFHTDRM

XMEOUT parameters/Message inserts
1. applid
2. qqqq

Explanation
The output pointer for queue qqqq does not match the contents of the intrapartition data set (DD name ddname).

System action
This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. A system dump with dumpcode TD0382 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Refer to message DFHTD0380.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDB, DFHTDRM

XMEOUT parameters/Message inserts
1. applid
2. qqqq
3. ddname

**Destination**
Console

**DFHTD0383**

`applid` The input pointer for queue `qqqq` does not match the contents of the intrapartition data set (DD name `ddname`).

**Explanation**
The input pointer for queue `qqqq` does not address a record boundary within the intrapartition data set with ddname `ddname`.

**System action**
This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0383 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Refer to message DFHTD0380.

**Note:**
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:**
DFHTDB, DFHTDRM

**XMEOUT parameters/Message inserts**

1. `applid`
2. `qqqq`
3. `ddname`

**Destination**
Console

**DFHTD0384**

`applid` A forward chain pointer for queue `qqqq` does not match the contents of the intrapartition data set (DD name `ddname`).

**Explanation**
A forward chain pointer for queue `qqqq` is invalid with respect to the intrapartition data set with ddname `ddname`.

**System action**
This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. A system dump with dumpcode TD0384 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Refer to message DFHTD0380.

**Note:**
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:**
DFHTDB, DFHTDRM

**XMEOUT parameters/Message inserts**

1. `applid`
2. `qqqq`
3. `ddname`

**Destination**
Console

**DFHTD0385**

`applid` Invalid attempt to allocate/deallocate CI 0 for the intrapartition data set (DD name `ddname`).

**Explanation**
Control interval (CI) 0 in the intrapartition data set, `ddname`, is reserved for transient data control information. The remaining control intervals are allocated to hold data for queues as determined by transient data processing on behalf of application program requests.

**System action**
System dump TD0385 is taken unless you have specifically suppressed dumps in the dump table.
This is a critical error. CICS is terminated even if you have specified in the dump table that CICS should not terminate. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Refer to the User Response of message DFHTD0380.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDB, DFHTDRM

XMEOUT parameters/Message inserts
1. applid
2. ddname

Destination
Console

DFHTD0386 applid The high RBA value of the current allocation for intrapartition data set (DD name ddname) is X'highrba'. This exceeds the maximum allowable value of 2GB, and will be capped to a value of X'80000000' minus the CI size of the data set.

Explanation
The high RBA value of the current allocation for intrapartition data set (DD name ddname), is X'highrba'. This exceeds the maximum allowable value of 2GB.

System action
Message DFHTD0387 is issued to seek approval to cap.

User response
Consider reducing the currently allocated size of the intrapartition data set (primary and secondary extents).

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDRP

XMEOUT parameters/Message inserts
1. applid
2. ddname
3. X'highrba'

Destination
Console

DFHTD0387D applid Allow the intrapartition data set to be capped - Enter GO or CANCEL.

Explanation
The high RBA value of the primary extent for the intrapartition data set exceeds the maximum allowable value of 2GB. See message DFHTD0386 for details which will have proceeded this message.

System action
If you reply GO, CICS will cap the area that can be used to a value of X'80000000' minus the CI size of the data set.

If you reply CANCEL, CICS will be terminated.

User response
Consider reducing the size of the primary extent of the intrapartition data set.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDRP

XMEOUT parameters/Message inserts
1. applid
2. GO
3. CANCEL

Destination
Console

DFHTD0401 date time applid terminal userid tranid TDQUEUE entry for quenname has been deleted.
Explanation
This is an audit log message indicating that transient data queue definition *tdqueueuname* has been deleted using the DISCARD command. Where:

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

System action
The system continues normally.

User response
None.

Module:
DFHTDTM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. tdqueueuname

Destination
CSQL

DFHTD0402

**Explanation**
This is an audit log message indicating that transient data queue definition *tdqueueuname* has been added using the INSTALL command. Where:

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

System action
The system continues normally.

User response
None.

Module:
DFHTDTM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. tdqueueuname

**Destination**

CSQL

**DFHTD1210** applid DCT index in error, xxxx failed

**Explanation**

While carrying out operation xxxx (INSTALL) CICS found an error in the destination control table (DCT) index. This message is issued on warm or emergency restarts when transient data is installing entries from the global catalog. The most likely reasons for this error are:

1. Storage violation.
   An application program has overwritten the index, **or**
2. CICS logic error
   The CICS Directory Domain created the index incorrectly, **or**
3. Corrupt global catalog entries
   The global catalog has been corrupted.

**System action**

CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

Message DFHE0116, which contains the symptom string for this problem, is produced.

**User response**

Respond GO or CANCEL to message DFHSI1522.

Look at the contents of the global catalog, to determine if the catalog entry has been corrupted for the DCTE that is failing to install.

Assuming that the error is a storage violation, and that you have activated the trace facility, find in the trace the unsuccessful attempt to access the DCT by DFHTDP. Then find the last preceding successful access. You have now narrowed the search to programs that were running between these two accesses. Examine these programs for an error that could cause a storage violation.

If you have not activated trace, but you can recreate the error, activate trace, recreate the error, and proceed as in the previous paragraph.

**Note:**

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:**

DFHTDRP

**XMEOUT parameters/Message inserts**

1. applid
2. xxxx

**Destination**

Console

**DFHTD1217** applid Unable to install resource definition for transient data queue xxxx.

**Explanation**

During a warm or emergency restart, CICS was unable to install the resource definition for the transient data queue xxxx.

**System action**

CICS ignores the definition and continues initialization.

**User response**

The cause of this install failure may be indicated in earlier messages issued from the transient data (TD) component. It may be the result of a failure to open the DFHINTRA data set, or a security error associated with any userid included in the definition.

In the latter case, it is possible to create an RDO definition for the entry, with the correct userid, once CICS has initialized, and then to install it using the CEDA transaction.

**Note:**

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:**

DFHTDRP
XMEOUT parameters/Message inserts

1. applid
2. xxxx

Destination

Console

DFHTD1221 applid Transient data queue definitions not restored, xxxx failed

Explanation

During a warm start, while carrying out operation xxxx (STARTBROWSE, GETNEXT or ENDBROWSE), the transient data recovery program (DFHTDRP) found an error in the catalog table of transient data queue definitions.

The most likely reasons for this error are I/O errors in the catalog data set, or a logic error in the CICS module, DFHCCCC.

System action

CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Respond GO or CANCEL to message DFHSI1522.

Determine and correct the I/O errors on the catalog data set. If you cannot restore the catalog data set, or suspect that there might be a CICS logic error in DFHCCCC, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Note:

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:

DFHTDRP

XMEOUT parameters/Message inserts

1. applid
2. xxxx

Destination

Console

DFHTD1260 applid No DD statement for intrapartition data set ddname

Explanation

CICS is unable to open the intrapartition data set ddname because no DD statement has been provided.

System action

During a cold or initial start, transient data initialization continues until any transient data queue resource definitions have been processed. Any intrapartition queues found are not installed and message DFHTD1217 is issued for each install failure encountered. At the end of TD initialization, message DFHTD0102 is issued. If no other initialization errors occur, message DFHSI1522 is issued.

For all other starts, TD checks the catalog to see if DFHINTRA had opened successfully on the previous CICS run. If it did, initialization is terminated. If it did not, TD initialization continues normally.

User response

During a cold or initial start, respond GO or CANCEL to message DFHSI1522.

Modify the CICS JCL to add a DD statement defining the intrapartition data set (DFHINTRA).

Note:

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:

DFHTDRP

XMEOUT parameters/Message inserts

1. applid
2. ddname

Destination

Console

DFHTD1261 applid Intrapartition data set ddname not defined as VSAM ESDS

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Explanation
CICS is unable to open the intrapartition data set ddname because it is not defined as VSAM ESDS.

System action
During a cold or initial start, transient data initialization continues until any transient data queue resource definitions have been processed. Any intrapartition queues found are not installed and message DFHTD1217 is issued for each install failure encountered. At the end of TD initialization, message DFHTD0102 is issued. If no other initialization errors occur, message DFHSI1522 is issued.

For all other starts, TD checks the catalog to see if DFHINTRA had opened successfully on the previous CICS run. If it did, initialization is terminated. If it did not, TD initialization continues normally.

User response
On a cold or initial start, respond GO or CANCEL to message DFHSI1522.

Recreate the intrapartition data set as a VSAM ESDS and restart CICS.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDRP

XMEOUT parameters/Message inserts
1. applid
2. ddname

Destination
Console

DFHTD1262  applid Intrapartition data set ddname not formatted

Explanation
The intrapartition data set ddname is not formatted (it is empty). Initial formatting is done (if necessary) when CICS is cold or initial started.

System action
CICS continue to initialize until all resource definitions for transient data queues have been installed. Any intrapartition definitions being read from the global catalogue will fail to install because of the original failure. When DFHTDRP completes its processing, CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

User response
Respond GO or CANCEL to message DFHSI1522.

Perform a cold or initial start when CICS is next brought up.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDRP

XMEOUT parameters/Message inserts
1. applid
2. ddname

Destination
Console

DFHTD1263  applid Invalid control record for Intrapartition data set ddname

Explanation
The intrapartition data set ddname was not initialized for intrapartition transient data. The most likely reason for this is data corruption by:

• VSAM export and import
• DFHSM migration and recall.

System action
CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

User response
Respond GO or CANCEL to message DFHSI1522.

Reinitialize the intrapartition data set.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDRP

XMEOUT parameters/Message inserts
1. applid
2. ddname

Destination
Console

DFHTD1271 applid VSAM error processing SHOWCB for intrapartition data set ddname, R15=retcode

Explanation
VSAM has detected an error during SHOWCB processing for the intrapartition data set ddname with VSAM return code retcode.

System action
CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Respond GO or CANCEL to message DFHSI1522.
Check the return code in the z/OS DFSMS Macro Instructions for Data Sets.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDRP

XMEOUT parameters/Message inserts
1. applid
2. ddname
3. retcode
4. errorcode

DFHTD1272 applid VSAM error processing OPEN for Intrapartition data set ddname, R15=retcode, RC=errorcode

Chapter 2. CICS messages 2039
**Explanation**

VSAM has detected an error during CLOSE processing for the intrapartition data set `ddname`. `retcode` is the VSAM return code.

**System action**

CICS writes a dump, then attempts to continue with initialization. If a cold or initial start is taking place, any transient data queue resource definitions are installed, except for any intrapartition queues. If any of these are found, message DFHTD1217 is issued for each install failure. When TDRP completes its processing message DFHTD0102 is issued followed by message DFHSI1522.

For all other types of start, if DFHINTRA had failed during the previous run of CICS, processing continues as normal. If DFHINTRA was open on the previous run, CICS terminates.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

For a cold or initial start, respond GO or CANCEL to message DFHSI1522.

Check the return code in the z/OS DFSMS Macro Instructions for Data Sets.

**Note:**

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:**

DFHTDRP

**XMEOUT parameters/Message inserts**

1. `applid`
2. `ddname`
3. `retcode`
4. `errorcode`

**Destination**

Console

**DFHTD1274**

`applid` VSAM error processing PUT for intrapartition data set `ddname`, R15=`retcode`, RC=`errorcode`

**Explanation**

VSAM has detected an error during PUT processing for the intrapartition data set `ddname`. `retcode` is the VSAM return code and `errorcode` is the VSAM error code.

**System action**

CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Respond GO or CANCEL to message DFHSI1522.

Check the return code and error code in the z/OS DFSMS Macro Instructions for Data Sets.

**Note:**

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:**

DFHTDRP

**XMEOUT parameters/Message inserts**

1. `applid`
2. `ddname`
3. `retcode`
4. `errorcode`

**Destination**

Console

**DFHTD1275**

`applid` VSAM error processing GET for intrapartition data set `ddname`, R15=`retcode`, RC=`errorcode`

**Explanation**

VSAM has detected an error during GET processing for the intrapartition data set `ddname`. `retcode` is the VSAM return code and `errorcode` is the VSAM error code.

**System action**

CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

Message DFHME0116, which contains the symptom string for this problem, is produced.
User response

Respond GO or CANCEL to message DFHSI1522.
Check the return code and error code in the z/OS DFSMS Macro Instructions for Data Sets.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTDRP

XMEOUT parameters/Message inserts

1. applid
2. ddname
3. retcode
4. errorcode

Destination

Console

DFHTD1278 applid An error occurred during initialization of intrapartition queue queue name for userid userid. The queue has not been installed.

Explanation

Transient data initialization detected an error with userid userid during installation of the intrapartition queue for automatic transaction initiation.

The specified userid is not valid for use by this CICS job for non-terminal transactions initiated by the transient data trigger.

There may be a previous message which gives the cause of this error.

System action

Transient data initialization continues.

The intrapartition queue definition is not installed.

User response

Notify the system programmer.
If the userid is invalid, correct the userid specified in the resource definition for the intrapartition queue.
If the userid is valid, ensure that it can be used by non-terminal transactions that are initiated by trigger for the intrapartition queue. See the CICS Security for guidance.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTD1279

DFHTD1279 applid Unexpected response (code X’reponse’) and reason (code X’reason’) from a dfhxxym call.

Explanation

Module DFHTD1279 detected the failure of a dfhxxym call to domain xx while attempting to install an intrapartition entry containing a USERID.

The response (code X’reponse’) and reason (code X’reason’) are those returned from the domain call (that is, xxyy_response and xxyy_reason).

This can be due to a CICS logic error.

System action

If the error occurred during transient data initialization, this process will continue if possible. If processing cannot continue then a dump will be taken and an abend ATDY is issued.

User response

Refer to earlier messages and the dump produced by domain xx.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHTD1279
**XMEOUT parameters/Message inserts**

1. applid
2. X'response'
3. X'reason'
4. dfhxxym

**Destination**

Console

<table>
<thead>
<tr>
<th>DFHTD1280</th>
<th>applid</th>
<th>An attempt to establish security has failed for userid userid. SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas').</th>
</tr>
</thead>
</table>

**Explanation**

An attempt was made to establish security for userid userid. The attempt was rejected by the external security manager (ESM).

**System action**

Security has not been established for the userid.

**User response**

The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the z/OS MVS Programming: Authorized Assembler Services Guide and in z/OS Security Server RACROUTE Macro Reference (SC28-1366). See these manuals for an explanation of the codes.

There may be further messages produced by CICS or the external security manager (ESM) which provide more information.

**Note:**

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:**

DFHTD1X

---

**DFHTFnnnn messages**

<table>
<thead>
<tr>
<th>DFHTF0001</th>
<th>applid</th>
<th>An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.</th>
</tr>
</thead>
</table>

**Explanation**

An abnormal end (abend) or program check has occurred in module modname. This implies that there

---

**XMEOUT parameters/Message inserts**

1. applid
2. userid
3. X'safresp'
4. X'safreas'
5. X'esmresp'
6. X'esmreas'

**Destination**

Console

<table>
<thead>
<tr>
<th>DFHTD1290</th>
<th>applid</th>
<th>Program DFHTDRP cannot be found.</th>
</tr>
</thead>
</table>

**Explanation**

CICS cannot link to the transient data recovery program (DFHTDRP).

CICS cannot find DFHTDRP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

**System action**

CICS is terminated as Transient Data queues cannot be recovered.

**User response**

To correct this error, place DFHTDRP in a partitioned data set in the DFHRPL DD statement.

**Note:**

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:**

DFHTDXX

---
may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. In some circumstances CICS is terminated directly if the error occurred in a crucial XM domain module.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code in this manual.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHTFIQ, DFHZSUP, DFHTFRF, DFHTFAL, DFHTFXM

**XMEOUT parameters/Message inserts**

1. *applid*
2. *aaa/bbbb*
3. *X’offset’*
4. *modname*

**Destination**

Console

**DFHTF0002** *applid* A severe error (code *X’code’*) has occurred in module *modname*.

**Explanation**

An error has been detected in module *modname*. The code *X’code’* is the exception trace point id which uniquely identifies what the error is and where the error was detected.

**System action**

An exception entry (code *X’code’* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. In some circumstances CICS is terminated directly if the error is critical.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHTFIQ, DFHZSUP, DFHTFRF, DFHTFAL

**XMEOUT parameters/Message inserts**

1. *applid*
2. *X’code’*
3. *modname*

**Destination**

Console
DFHTF0100  

**date time applid nnnn AIDs canceled for terminal termid. nnnn AIDs remain.**

**Explanation**

AIDs queuing for terminal termid have been canceled. This could be due to the terminal being deleted, or as a result of an SPI or CEMT SET TERMINAL(termid) CANCEL command. Any AIDs remaining after this operation are also enumerated in this message. For programming information about CICS SET TERMINAL, see the CICS System programming reference. For information about the equivalent CEMT command, see the CICS Supplied Transactions.

**System action**

Requests represented as AIDs queuing for the terminal have been purged from the system.

**User response**

None.

**Module:** DFHALP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. nnnn
5. termid
6. nnnn

**Destination**

CSMT

DFHTF0200  

**date time applid termid netname userid tranid Ipaddr Ipaddr Mapset mapset Map map Row row Column column Attr attr Invalid 3270 datastream from client**

**Explanation**

The 3270 datastream received from a terminal emulator client attempted to override a protected field.

The row and col values refer to the position on the screen.

The attr values returned are:

<table>
<thead>
<tr>
<th>Value</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>2044</td>
<td>CICS TS for z/OS: CICS Messages</td>
</tr>
</tbody>
</table>
System action
None.

User response
Check if the terminal emulator is functioning correctly.

Module:
DFHTFIQ

XMEOUT parameters/Message inserts
1. date

DFHTInnnn messages

| DFHTI0001 | applid An abend (code aaaa/bbbb) has occurred at offset X'offset' in module modname. |

Explanation
An abnormal end (abend) or program check has occurred in module module. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaaa/bbbb is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

Message DFHME0116, which contains the symptom string for this problem, is produced.

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example the domain manager, DFHDMDM). A message is issued to this effect.

User response
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual. Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHTISR, DFHTIDM, DFHTIMF

XMEOUT parameters/Message inserts
1. applid
2. aaaa/bbbb
A severe error (code X'code') has occurred in module modname.

**Explanation**
An error has been detected in module modname. The code X'code' is the exception trace point id which uniquely identifies what the error is and where the error was detected.

**System action**
An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. In some circumstances CICS is terminated directly if the error is critical.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHTIMF

**XMEOUT parameters/Message inserts**
1. applid
2. X'code'
3. modname

---

**A possible loop has been detected at offset X'offset' in module modname.**

**Explanation**
A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time when the error was detected.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**System action**
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example the domain manager, DFHDMDM). A message is issued to this effect.

**User response**
If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.
If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHTISR, DFHTIDM, DFHTIMF

**XMEOUT parameters/Message inserts**
1. **applid**
2. **X'offset'**
3. **modname**

**Destination**
Console

| DFHTI0005 | **applid** | A hardware error has occurred (module **modname**, code **X'code'**). The Time-of-Day clock is invalid. |

**Explanation**
An error has occurred during the running of module **modname**. The MVS Store Clock facility is the timing mechanism for the operating system.

The code **X'code'** is the exception trace point id which uniquely identifies the place where the error was detected.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**System action**
An exception entry (code **X'code'** in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues if possible, unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example the domain manager, DFHDMDM). A message is issued to this effect.

**User response**
If CICS is still running, it is necessary to decide whether to terminate CICS. First, investigate the MVS Store Clock and find out whether it is working properly. If this is the case, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will need further assistance from IBM.
User response:
None.

Module:
DFHTIDM, DFHAPTIM

XMEOUT parameters/Message inserts
1. applid
2. date

Destination
Console

DFHTI0103 applid CICS Transaction Server Value Unit Edition.

Explanation:
You are running CICS Transaction Server Value Unit Edition.

System action:
CICS continues.

User response:
None.

Module:
DFHTIDM

XMEOUT parameters/Message inserts
1. applid
2. date

Destination
Console

DFHTI0200 applid This is CICS Transaction Server Developer Trial which expires on date.

Explanation:
You are running a version of CICS Transaction Server Developer Trial. This version can be used under the terms and conditions described in the CICS Announcement letter. Your CICS Transaction Server Developer Trial version can be used until the trial end date stated in the message.

DFHTMnnnn messages

DFHTM1703 applid product is being terminated by userid userid in transaction tranid { at netname | at terminal } terminal.

Explanation
This message is issued after a PERFORM SHUT IMMEDIATE request.

System action
CICS continues until the trial end date.

User response
None.

Module:
DFHTIDM, DFHAPTIM

XMEOUT parameters/Message inserts
1. applid
2. date

Destination
Console

DFHTI0201 applid CICS Transaction Server Developer Trial failed to initialize. CICS Transaction Server Developer Trial expired on date.

Explanation
You are attempting to run a version of CICS Transaction Server Developer Trial. This trial version has now expired.

System action
CICS terminates.

User response
None.

Module:
DFHTIDM, DFHAPTIM

XMEOUT parameters/Message inserts
1. applid
2. date

Destination
Console

DFHTMnnnn messages

DFHTM1703 applid product is being terminated by userid userid in transaction tranid { at netname | at terminal } terminal.
**System action**
The termination process continues.

**User response**
None.

**Module:**
DFHSTP

**XMEOUT parameters/Message inserts**
1. applid
2. product
3. userid
4. tranid
5. Value chosen from the following options:
   1. at netname
   2. at terminal
6. terminal

**Destination**
Console and Terminal End User

**DFHTM1707I**
applid Program DFHWKP cannot be found. No warm keypoint taken.

**Explanation**
CICS cannot take a warm keypoint because the CICS module, DFHWKP, cannot be found in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

**System action**
CICS passes control to the user phase 1 PLT program.

**User response**
None.

**Module:**
DFHSTP

**XMEOUT parameters/Message inserts**
1. applid

**Destination**
Console

**DFHTM1709I**
applid About to link to PLT programs.

**Explanation**
DFHSTP is about to link to the user PLT program PLTSD parameter in the system initialization table. Note that this message may be issued even if PLTSD=NO is used. This occurs if the implied PLT program, EYU9VKIT, is executed because CPSMCONN=WUI is specified.

**System action**
Control is passed to the user PLT programs.

**User response**
None.

**Module:**
DFHSTP

**XMEOUT parameters/Message inserts**
1. applid

**Destination**
Console

**DFHTM1710I**
applid Control returned from PLT programs.

**Explanation**
Control is returned to DFHSTP to continue system termination. Note that this message may be issued even if PLTSD=NO is used. This occurs if the implied PLT program, EYU9VKIT, is executed because CPSMCONN=WUI is specified.

**System action**
Control is returned to DFHSTP.

**User response**
None.

**Module:**
DFHSTP

**XMEOUT parameters/Message inserts**
1. applid

**Destination**
Console
DFHTM1711I  applid About to link to phase 2 PLT programs.

Explanation
DFHSTP is about to link to the phase 2 PLT programs as defined by the PLTSD parameter in the system initialization table.

System action
CICS passes control to the phase 2 user PLT programs.

User response
None.
Module: DFHSTP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHTM1712I  applid Control returned from phase 2 PLT programs.

Explanation
CICS returns control to DFHSTP so that system shutdown may continue.

System action
CICS returns control to DFHSTP.

User response
None.
Module: DFHSTP

XMEOUT parameters/Message inserts
1. applid
2. product
3. userid
4. tranid
5. Value chosen from the following options:
   1= at netname ,
   2= at terminal
6. terminal

Destination
Console and Terminal End User

DFHTM1718I  date time applid About to link to user PLT program progname during the first stage of shutdown.

Explanation
This message is issued after a PERFORM SHUT request.

System action
Quiesce of CICS continues.

User response
None.
Module: DFHSTP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. progname

Destination
CSSL

DFHTM1719I  date time applid  About to link to
user PLT program progname during
the second stage of shutdown.

Explanation
CICS is about to invoke user PLT program progname
during the second phase of shutdown.

System action
progname is executed.

User response
None. This message can be suppressed with the
system initialization parameter MSGLVL=0. DFHSTP

Module:

XMEOUT parameters/Message inserts
1. applid
2. pltname

Destination
Console

DFHTM1752  applid PLT - program progname not
available.

Explanation
The program list table (PLT) specified for shutdown
contains program progname, but CICS is unable to
link to the program because one of the following has
occurred:
- An executable copy of the program could not be
  brought into storage.
- The installed definition for the program is disabled.
- There is no installed definition for the program.

Note that this message may be issued even if
PLTSD=NO is used. This occurs if the implied
PLT program, EYU9VKIT, is executed because
CPSMCONN=WUI is specified.

System action
CICS termination continues without executing program
progname.

User response
In the next execution, check that each program
specified in the PLT is contained as a data set
concatenated to the DFHRPL DD statement in the
startup job stream, and ensure that the program is
defined and enabled.

Module:

DFHSTP

XMEOUT parameters/Message inserts
1. applid
2. progname

Destination
Console

DFHTM1720I  applid CICS no longer supports
assembled PLT tables. PLT
pltname does not contain any
program names.

Explanation
PLT pltname does not contain any
PROGRAM=xxxxxxx entries.

System action
No PLT programs are invoked.

User response
Ensure that your PLT is not assembled and that it
contains PROGRAM= entries for the PLT programs
which should be invoked.
DFHTM1780  applid Abend has occurred while 
processing program programe 
during termination, code=abcde.

Explanation
Program programe specified in the program list table 
(PLT) for shutdown has abnormally terminated. abcde
is the abend code. Note that this message may be 
issued even if PLTSD=NO is used. This occurs if the 
implanted PLT program, EYU9VKIT, is executed because 
CPMCONN=WUI is specified.

System action
Control is passed to the next program specified in the 
PLT and a CICS dump is supplied for review.

User response
Refer to abend code abcde for further information 
about the error. Try and correct program programe.

Module:
DFHSTP

XMEOUT parameters/Message inserts
1. applid
2. programe
3. abcde

Destination
Console

DFHTM1781  applid CICS shutdown cannot 
complete because some non-
system user tasks have not 
terminated.

Explanation
This message is issued during shutdown of the CICS 
session and indicates that one or more CICS tasks are 
still active, thereby delaying the successful termination 
of CICS.

System action
CICS shutdown waits until the active task or tasks are 
successfully terminated.

If the default shutdown transaction (CESD) is active, 
it attempts, after a delay, to purge and backout 
all active tasks. This usually leads to a successful 
termination of CICS within a few minutes without 
operator intervention.

User response
If the default shutdown transaction (CESD) is not 
active, determine which CICS tasks are still running, 
using the CEMT INQUIRE TASK command, and take 
whatever steps are necessary to terminate them.

Module:
DFHSTP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHTM1782I  applid All non-system tasks have 
been successfully terminated.

Explanation
This message is issued during shutdown of the CICS 
session after successful termination by the user of 
any active tasks which had previously prevented 
termination.

System action
CICS shutdown continues normally.

User response
None

Module:
DFHSTP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHTM1783  applid CICS shutdown cannot 
complete because a system task 
which prevents normal shutdown 
has not terminated.

Explanation
This message is issued during shutdown of the CICS 
session and indicates that CICS system transaction 
CLS1 is still active, thereby preventing the successful 
termination of CICS.
System action
CICS shutdown waits until the active task is successfully terminated.

User response
Determine, what is delaying the CLS1 transaction (for example the other CICS job or system being hung), and take whatever steps are necessary to resolve the situation.

Module: DFHSTP

XMEOUT parameters/Message inserts
1. applid

Destination
Console
DFHTM1784 applid The user shutdown assist transaction tranid cannot be started.

Explanation
This message is issued during CICS shutdown and indicates that the user shutdown assist transaction specified on the system initialization table (SIT), or on the CEMT or EXEC CICS PERFORM SHUTDOWN SDTRAN option could not be started.

System action
CICS shutdown continues without starting a shutdown assist transaction.

User response
Do one of the following:
• Determine why the shutdown transaction could not start.
• Change or remove the SIT SDTRAN option.
• Change or remove the CEMT or EXEC CICS PERFORM SHUTDOWN SDTRAN option.

Module: DFHEIPSH

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid

Destination
CSMT
DFHTM1786I date time applid CICS shutdown cannot complete because some JVMSERVERs have not been disabled.

Explanation
This message is issued during shutdown of the CICS region and indicates that one or more JVMSERVERs are still active, and are delaying the successful termination of CICS.
System action
CICS shutdown waits until the active JVMSERVER resources are successfully disabled.

If the default shutdown transaction (CESD) is active, it attempts, after a delay, to purge all JVMSERVERs. This usually leads to a successful termination of CICS within a few minutes without operator intervention.

User response
If the default shutdown transaction (CESD) is not active, determine which JVMSERVER resources are still enabled using the CEMT INQUIRE JVMSERVER command, and take whatever steps are necessary to disable them.

Module: DFHSTP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
Console

DFHTM1787I applid All JVMSERVERs have been successfully disabled.

Explanation
This message is issued during shutdown of the CICS region after successful termination of any active JVMSERVER resources which had previously prevented termination.

System action
CICS shutdown continues normally.

User response
None

Module: DFHSTP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
Console

DFHTM1788I applid CICS shutdown cannot complete because some NODEJSAPP resources have not been disabled.

Explanation
This message is issued during shutdown of the CICS region and indicates that one or more NODEJSAPP resources are still active, and are delaying the successful termination of CICS.

System action
CICS shutdown waits until the active NODEJSAPP resources are successfully disabled.

If the default shutdown transaction (CESD) is active, it attempts, after a delay, to disable all NODEJSAPP resources. This usually leads to a successful termination of CICS within a few minutes without operator intervention.

User response
If the default shutdown transaction (CESD) is not active, determine which NODEJSAPP resources are still enabled using the CEMT INQUIRE NODEJSAPP command, and take whatever steps are necessary to disable them.

Module: DFHSTP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHTM1789I applid All NODEJSAPP resources have been successfully disabled.

Explanation
This message is issued during shutdown of the CICS region after successful termination of any active NODEJSAPP resources which had previously prevented termination.

System action
CICS shutdown continues normally.
User response
None

Module: DFHSTP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHTM1797 applid System termination program has abended.

Explanation
While terminating CICS, the CICS system termination program DFHSTP has abnormally terminated.

System action
CICS terminates abnormally with a system dump.

User response
Try to find out why DFHSTP terminated. If you cannot resolve the problem, keep the dump and contact your IBM Support Center.

Module: DFHSTP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHTM1798 applid Requested dump in progress.

Explanation
This message is issued when CICS is terminated before the requested dump has started.

System action
CICS produces a system dump and shutdown continues.

User response
None.

Module: DFHSTP

DFHTOnnnn messages

DFHTO6000 E date time applid The definition for TERMINAL termdef refers to an undefined TYPETERM termtype.

Explanation
While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (termdef) that referenced an nonexistent TYPETERM definition (termtype).

System action
The TERMINAL is not installed.

User response
Correct the TERMINAL definition or define the named TYPETERM.

Module: DFHTOR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termdef
5. termtype

Destination
CSMT

DFHTO6001 E date time applid The definition for pooled TERMINAL termdef refers to an undefined TYPETERM termtype.
Explanation
While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (termdef) that referenced a nonexistent TYPETERM definition (termtype).

System action
The TERMINAL is not installed.

User response
Correct the TERMINAL definition or define the named TYPETERM.

Module:
DFHTOR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sesdef
5. condef

Destination
CSMT

DFHTO6002 E date time applid TERMINAL sesdef refers to an undefined CONNECTION condef.

Explanation
While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a SESSIONS definition (sesdef) that referenced a nonexistent CONNECTION definition (condef).

System action
The SESSIONS definition is not installed.

User response
Correct the SESSIONS definition or define the named CONNECTION.

Module:
DFHTOR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sesdef
5. condef

Destination
CSMT

DFHTO6003 E date time applid TERMINAL termdef specifies CONNAME but refers to TYPETERM termtype which does not specify DEVICE=CONSOLE.

Explanation
While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (termdef), specified with CONNAME=name, which referred to a TYPETERM definition (termtype) specified without DEVICE=CONSOLE.

System action
The TERMINAL definition is not installed. (The TYPETERM definition is installed and may be referred to by other compatible TERMINAL definitions).

User response
Correct the TERMINAL or TYPETERM definition.

Module:
DFHTOR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termdef
5. termtype

Destination
CSMT

DFHTO6004 E date time applid TERMINAL termdef does not specify a CONNAME but refers to

System action
The TERMINAL definition is not installed.

User response
Correct the TERMINAL definition or define the named TYPETERM.

Module:
DFHTOR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sesdef
5. condef
TYPETERM termytype which specifies DEVICE=CONSOLE.

Explanation
While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (termdef), without CONSNAME=name specified, which referred to a TYPETERM definition (termytype) specified with DEVICE=CONSOLE.

System action
The TERMINAL definition is not installed. (The TYPETERM definition is installed and may be referenced by other compatible TERMINAL definitions).

User response
Correct the TERMINAL or TYPETERM definition.

Module:
DFHTOR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termdef
5. termytype

Destination
CSMT

DFHTO6005 E  date time applid PRINTERCOPY or ALTPRINTCOPY for TERMINAL termdef is invalid for the DEVICE specified in TYPETERM termytype.

Explanation
While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (termdef) specified with PRINTER or ALTPRINTER or both, which referred to a TYPETERM definition (termytype) that did not specify one of these DEVICES: 3270, 3275, 3270P, LUTYPE2, or LUTYPE3.

System action
The TERMINAL definition is not installed. (The TYPETERM definition is installed and may be referenced by other compatible TERMINAL definitions).

User response
Correct the TERMINAL or TYPETERM definition.

Module:
DFHTOR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

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4. termdef  
5. termtype

**Destination**

CSMT

**DFHTO6007 E**

date time applid AUTINSTMODEL YES|ONLY for TERMINAL termdef is invalid for the DEVICE specified in TYPETERM termtype.

**Explanation**

While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (termdef) specified with AUTINSTMODEL=(YES|ONLY), which referred to a TYPETERM definition (termtype) that specified DEVICE=3614|TLX|TWX, or was a PIPELINE terminal.

**System action**

The TERMINAL definition is not installed. (The TYPETERM definition is installed and may be referenced by other compatible TERMINAL definitions).

**User response**

Correct the TERMINAL or TYPETERM definition.

**Module:**

DFHTOR

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. sesdef
5. condef

**Destination**

CSMT

**DFHTO6010 E**

date time applid The definition for SESSIONs sesdef must specify PROTOCOL LU61 as it refers to an MRO CONNECTION condef.

**Explanation**

While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a SESSIONS definition (sesdef) that referred to a CONNECTION definition (condef) that specified a different PROTOCOL.

**System action**

The SESSIONS definition is not installed.

**User response**

Correct the SESSIONS or CONNECTION definition.

**Module:**

DFHTOR

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. sesdef
5. condef

**Destination**

CSMT

**DFHTO6009 E**

date time applid The definition for SESSIONs sesdef refers to CONNECTION condef which specifies a different PROTOCOL.

**Explanation**

While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a SESSIONS definition (sesdef), specified without LU61, which referred to a CONNECTION definition (condef) that specified ACCESSMETHOD=(IRC|XM) (MRO).

**System action**

The SESSIONS definition is not installed.

**User response**

Correct the SESSIONS or CONNECTION definition.

**Module:**

DFHTOR

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. sesdef
5. condef

Destination
CSMT

DFHTO6011 E date time applid SESSIONs sesdef must specify both SENDCOUNT and RECEIVECOUNT as it refers to an MRO CONNECTION condef.

Explanation
While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a SESSIONS definition (sesdef), specified with either SENDCOUNT=0 or RECEIVECOUNT=0, which referred to a CONNECTION definition (condef) that specified ACCESSMETHOD=(IRC|XM) (MRO).

System action
The SESSIONS definition is not installed.

User response
Correct the SESSIONS or CONNECTION definition.

Module:
DFHTOR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sesdef
5. condef

Destination
CSMT

DFHTO6012 date time applid The catalog dataset is not available. RDO function is restricted.

Explanation
During initialization for a cold or initial start, CICS could not find the global catalog data set.

System action
CICS continues, but with the following restrictions to RDO function:

- A TYPETERM definition must be in the same group as the TERMINAL definitions that refer to it.
- AUTOINSTALL is not available, because the MODEL definitions cannot be stored.

User response
If you wish to avoid the above restrictions to RDO function in future CICS runs, create a global catalog data set and make it available to CICS in the DFHGCDD DD statement of the CICS startup job stream.

Module:
DFHTORP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CSMT

DFHTO6013 E date time applid No SESSIONs definition refers to CONNECTION condef.

Explanation
During installation of a GRPLIST at initialization time, during CEDA INSTALL of a GROUP, a CHECK, or an EXEC CICS CREATE command, a CONNECTION definition was detected that had no valid SESSIONS definitions. This is valid only for INDIRECT or REMOTE connections.

System action
The CONNECTION is not installed.

If the reason for the failure is one or more invalid SESSIONS definitions, CICS issues another message which identifies the incorrect definition(s). If the reason was a missing SESSIONS definition, this is the only message.

User response
Correct the CONNECTION definition, create a SESSIONS definition, or correct existing SESSIONS definition(s), as appropriate.

Module:
DFHTOR
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. condef

**Destination**

CSMT

**DFHTO6014 E**

\[date\ time\ applid\ POOL\]

is required for TERMINAL \*termdef* as it refers to TYPETERM \*typedef* which specifies SESSIONTYPE=PIPELINE.

**Explanation**

An attempt has been made to install a terminal whose TYPETERM specified SESSIONTYPE=PIPELINE, but whose terminal definition did not specify POOL.

**System action**

CICS initialization continues, but TERMINAL \*termdef* is not installed.

**User response**

Correct the TERMINAL definition, or the TYPETERM definition.

**Module:**

DFHTOR

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termdef
5. typedef

**Destination**

CSMT

**DFHTO6015 E**

\[date\ time\ applid\ TRANSACTION\]

for TERMINAL \*termdef* is invalid for the DEVICE specified in TYPETERM \*typedef*.

**Explanation**

An attempt has been made to install a TERMINAL definition which specified TRANSACTION, but referred to a TYPETERM specifying device APPC.

**System action**

CICS initialization continues, but TERMINAL \*termdef* is not installed.

**User response**

Correct the TERMINAL definition, or the TYPETERM definition.

**Module:**

DFHTOR

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termdef
5. typedef

**Destination**

CSMT

**DFHTO6016 E**

\[date\ time\ applid\ The\ MRO\ CONNECTION\ condef* is referenced by more than one SESSIONs definition, including sesdef.\]

**Explanation**

When installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS has detected a CONNECTION definition \*condef* that specified ACCESSMETHOD=(IRC|XM), which implies that it is an MRO connection. This CONNECTION was then referenced by more than one SESSIONS definition, one of which was \*sesdef*. An MRO connection must only have one SESSIONS definition referencing it. Other SESSION definition names that reference this CONNECTION are listed in further occurrences of this message.

**System action**

The CONNECTION definition is not installed.
User response
Correct the CONNECTION definition or the SESSIONS definitions.

Module: DFHTOR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. condef
5. sesdef

Destination
CSMT

DFHTO6017 E date time applid REMOTESYSTEM for TERMINAL 'termid' is invalid for the DEVICE specified in TYPETERM 'typeterm'.

Explanation
When installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a CONSOLE that was defined as remote. This is an invalid option.

System action
The CONSOLE is not installed.

User response
Correct the CONSOLE that is defined as remote.

Module: DFHTOR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. typeterm

Destination
CSMT

DFHTO6019 E date time applid TERMINAL 'termid' refers to TYPETERM 'typeterm' which has an invalid ALTSCREEN.

Explanation
A TYPETERM definition includes an invalid ALTSCREEN. ALTSCREEN has two components; width and height. One of these components is zero while the other is nonzero. This is an invalid combination. CICS has detected this problem in a TERMINAL definition while installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command.

System action
The TERMINAL definition is not installed.

User response
Correct the TYPETERM that is referenced or reference a different TYPETERM in the TERMINAL definition. See the Defining resources for details of valid ALTSCREEN values.

Module: DFHTOR

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. typeterm

Destination
CSMT

DFHTO6018 E date time applid User userid is not authorized to install TERMINAL tttt with preset security.

Explanation
User userid was attempting to install TERMINAL tttt but the userid does not have sufficient authority. This is because the TERMINAL has preset security (the definition for TERMINAL tttt specifies a USERID value). Installing a resource with preset security requires special authorization.
**System action**

Resource security violation messages are logged to the CSCS transient data queue and to the system console. The resource is not installed. CICS continues.

**User response**

In order to install this resource, do one of the following:

- Use the CESN transaction to sign on with a userid that is permitted to install TERMINALS with preset security.
- Ask your security administrator to authorize user userid to install terminals with preset security.
- Remove the USERID specification from the resource definition and install the resource without preset security.

**Module:** DFHTOATM

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. tttt

**Destination**

CSMT

**Explanation**

The value specified for the MAXIMUM option in the SESSIONS definition sesdef is incompatible with the CONNECTION definition condef because condef is defined as single-session. This was detected when sesdef referred to condef during installation of a GRPLIST at initialization, during CEDA INSTALL of a GROUP, or following a CHECK command, or during an EXEC CICS CREATE.

When a SESSION definition refers to a single-session CONNECTION definition, the value of the MAXIMUM option should be (1,0).

**System action**

The SESSIONS definition is not installed.

**User response**

There are two ways to solve this problem:

- Correct the SESSIONS definition by specifying MAXIMUM(1,0) using either CEDA or the CSD batch update utility DFHCSDUP.
- Redefine the CONNECTION definition so that it is no longer single-session by specifying SINGLESESS=NO.

**Module:** DFHTOR

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. sesdef
5. condef

**Destination**

CSMT

**Explanation**

While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a CONNECTION definition named @BCH. In previous releases this connection definition was reserved for use with batch shared database support, and allowed zero send sessions to be defined for an IRC connection. CICS TS 5.4 does not support batch shared database and does not allow the associated sessions definition to specify zero send sessions.

**System action**

Installation of @BCH sessions fails.

**User response**

Remove the SESSIONS and CONNECTION definitions for batch shared database.

**Module:**
DFHTOR

XMEOUT parameters/Message inserts

1. date
2. time
3. applid

Destination
CSMT

DFHT06025 E  date time applid The definition for
LU6.1 SESSIONs sesdef specifies
a send or receive count with no
prefix.

Explanation
While installing a GRPLIST during initialization, or
while executing a CEDA CHECK, a CEDA INSTALL, or
an EXEC CICS CREATE command, CICS detected an
LU6.1 SESSIONS definition (sesdef) that specified a
send count with no send prefix or a receive count with
no receive prefix. Prefixes must be specified for LU6.1.

DFHTPnnnn messages

DFHTP4101 Cannot reset from temporary
paging to autopaging.

Explanation
A terminal requested that it be reset from temporary
paging status to autopaging status. However, the
terminal is defined as a paging terminal, or the
message is marked to state that the operator must
purge it.

System action
Other processing continues.

User response
If the terminal is defined as a purging terminal, use
the main terminal program to change the status of the
terminal.

If the message is so marked, the operator must purge
the message. The system then automatically resets
the status to autopaging.

Module:
DFHTPR

DFHTP4102 nnnn messages are queued for
immediate delivery.

Explanation
The operator requested the nnnn messages to be
delivered via the page retrieve command queue.

System action
The count of messages queued for this operator or
terminal is displayed.

User response
None.

Module:
DFHTPR

DFHTP4103 Attempting to PURGE, COPY or
CHAIN, but no pages are currently
connected to this terminal.
Explanation
There are currently no tasks attached to this terminal.

System action
Other processing continues.

User response
None.
Module: DFHTPR

Destination
Terminal End User

**DFHTP4104**
A paging request was received but there are no pages for display.

Explanation
The CICS paging command (CSPG) or a request for paging was entered from a terminal in transaction status, but there are no pages to be displayed at the terminal.

System action
Other processing continues.

User response
None.
Module: DFHTPR

Destination
Terminal End User

**DFHTP4105**
The specified message is not recognized.

Explanation
The terminal operator tried to retrieve or purge a specific message using a message identifier (rather than the current or next available message). However, the specified message does not exist, or is not destined for this terminal.

System action
Other processing continues.

User response
None.
Module: DFHTPR

Destination
Terminal End User

**DFHTP4106**
You are not allowed to RETRIEVE or PURGE this message.

Explanation
The terminal operator tried to retrieve or purge a specific message using a message identifier (rather than the current or next available message). However, the specified message is not destined for this operator identifier.

System action
Other processing continues.

User response
None.
Module: DFHTPR

Destination
Terminal End User

**DFHTP4107**
Chain value *chain* is less than 1 or greater than the level of chaining allowed.

Explanation
The chain value, *chain*, as indicated by the page retrieval command, is either less than one or is greater than the level of chaining at that terminal.

System action
Other processing continues.

User response
None.
Module: DFHTPR

Destination
Terminal End User
Requested page *pageno* does not exist (it is less than 1 or more than the number of pages in the message).

**Explanation**

The page *pageno*, as indicated by the page retrieval command, is either less than one or is greater than the number of pages in the message. This can be caused, for example, by requesting the previous page after the first page, or the next page after the last page.

**System action**

Other processing continues.

**User response**

The paging session can be continued with a valid page value. The last valid page displayed is still the current page. For example, to recall the last valid page displayed, execute the page retrieval command used to get a current page.

**Module:**

DFHTPR

**Destination**

Terminal End User

The requested command *command* was not recognized. Check that you have the correct value.

**Explanation**

Transaction CSPG was entered at the terminal, but what follows cannot be identified as a paging command. *command* represents the first four nonblank characters after CSPG.

**System action**

Other processing continues.

**User response**

None.

**Module:**

DFHTPR

**Function**

Meaning

A

All logical messages destined for and being displayed on that terminal.

C

The current (level) logical message.

L

The last page.

N

The next page.

P

The previous page.

Q

(Query) display the identifier of all logical messages destined for this terminal. If the message is security protected, its identifier is displayed only if the operator identifier and class for the signed-on operator match those in the message. The identifier consists of 1-to-6-digit hexadecimal number, and optionally, a message title.

**System action**

Other processing continues.

**User response**

Use a valid page retrieve function.

**Module:**

DFHTPR

**Destination**

Terminal End User

The page retrieve function represented by *function* is not one of the following: A, C, L, N, P, Q, or a number that may be preceded by a + (plus) or a - (minus) sign, where:

**Function**

**Meaning**

A

All logical messages destined for and being displayed on that terminal.

C

The current (level) logical message.

L

The last page.

N

The next page.

P

The previous page.

Q

(Query) display the identifier of all logical messages destined for this terminal. If the message is security protected, its identifier is displayed only if the operator identifier and class for the signed-on operator match those in the message. The identifier consists of 1-to-6-digit hexadecimal number, and optionally, a message title.

**System action**

Other processing continues.

**User response**

Use a valid page retrieve function.

**Module:**

DFHTPR

**Destination**

Terminal End User

*function* is not valid. Page PURGE function must be A, B, C, H, or R.
**Explanation**
The page purge function represented by `function` is not A, B, C, H, or R. The functions have the following meanings.

<table>
<thead>
<tr>
<th>Function</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>All logical messages destined for and being displayed on that terminal.</td>
</tr>
<tr>
<td>B</td>
<td>The logical message being displayed on that terminal and all logical messages chained to it.</td>
</tr>
<tr>
<td>C</td>
<td>The current (level) logical message.</td>
</tr>
<tr>
<td>H</td>
<td>All logical messages chained to the base logical message being displayed on that terminal.</td>
</tr>
<tr>
<td>R</td>
<td>All logical messages queued for immediate delivery (routed) to the terminal.</td>
</tr>
</tbody>
</table>

**System action**
Other processing continues.

**User response**
Use a valid page purge function.

**Module:** DFHTPR

---

**Module:** DFHTPR

**Destination**
Terminal End User

**DFHTP4113**
```
date time applid msgno termtypex pageno I/O error on MCR or Page (MODULE NAME: modname).
```

**Explanation**
While attempting to retrieve a message control record (MCR) or page of a message, a temporary storage I/O error occurred. `msgno` represents the message number in hexadecimal; `termtypex` is the terminal type; `pageno` is zero if the error occurred for the MCR, or is the page number. The message or page noted may be lost for this and/or other terminals.

**System action**
If pages are being displayed at an autopaging terminal, the next page if any is displayed. Otherwise no action takes place.

**User response**
None.

**Module:** DFHTPQ

---

**Module:** DFHTPQ

**Destination**
CSMT

**DFHTP4114**
The terminal identifier `termid` is unknown or is not supported.

**Explanation**
The terminal identifier represented by `termid` does not exist or is not supported under basic mapping support (BMS).

**System action**
Other processing continues.

**User response**
Use a valid terminal identifier.

**Module:** DFHTPR

---

**DFHTP4114**
You must purge messages from the terminal before issuing a new transaction.

**Explanation**
While messages were being displayed at the terminal, the operator entered data that was not a paging command, either in error or to initiate a new
transaction. However, at least one of the messages on the terminal is marked that the operator must specifically purge it before initiating a new transaction.

**System action**
Other processing continues.

**User response**
Purge all messages being displayed at this terminal (T/A), or chain the desired transaction using the chaining command.

**Module:**
DFHTPR

**Destination**
Terminal End User

**DFHTP4115**

You must purge the message from your terminal to continue.

**Explanation**
A transaction is displaying pages at the terminal. Before the operator can continue with the transaction, the message must be purged.

**System action**
Other processing continues.

**User response**
Purge the current message (T/C).

**Module:**
DFHTPR

**Destination**
Terminal End User

**DFHTP4116**

Your message request cannot be done while another message is being displayed.

**Explanation**
While viewing a message, the operator entered a request for a specific message (for example, P/1,xxx) or requested the message identifiers of messages waiting to be displayed (P/Q). CICS cannot service this request while another message is being displayed. xxx is the message identifier of one of the messages waiting to be displayed.

**System action**
Other processing continues.

**User response**
If desired, reenter the request when there are no messages being displayed at the terminal.

**Module:**
DFHTPR

**Destination**
Terminal End User

**DFHTP4117**

Purge display % after viewing.

**Explanation**
The operator at a 3270 has requested a display of message identifiers waiting to be displayed. The reply is constructed as one or more pages stored in temporary storage and can be viewed like any page message. % is the page number indicator.

**System action**
Other processing continues.

**User response**
Purge the message when viewing is complete.

**Module:**
DFHTPR

**Destination**
Terminal End User

**DFHTP4118**

An ID error occurred while retrieving a Message Control Record (MCR) or Message Page. Message bmsid, terminal type termtype, page pageno.

**Explanation**
CICS was trying to retrieve page pageno of a message from temporary storage when an identifier error was received.

Alternatively, if page pageno is equal to zero, CICS could have been trying to retrieve a message control record (MCR) when the identifier error was received. The probable cause of the error is that temporary storage was cold started after the message was scheduled or after the message was saved. Otherwise the message had already been purged.
The insert *bmsid* is the BMS logical message identifier, which is a unique hexadecimal identifier used in the generation of a TS key for saving this page or message. The insert *termtype* identifies the terminal type.

**System action**
The message or page may be lost. Other processing continues.

**User response**
None.

**Module:**
DFHTPR

**Destination**
Terminal End User

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFHTP4119</td>
<td>An invalid request on Message Control Record (MCR) or Page Retrieval has occurred. Message <em>bmsid</em>, terminal type <em>termtype</em>, page <em>pageno</em>.</td>
</tr>
</tbody>
</table>

**Explanation**
CICS was trying to store or retrieve page *pageno* of a message when a temporary storage invalid request occurred. Alternatively, CICS could have been trying to store or retrieve a message control record (MCR) if the page *pageno* equaled zero when the temporary storage invalid error was received.

The message or page may be lost. The probable cause is that temporary storage was not loaded. *bmsid* is the BMS logical message identifier, which is a unique hexadecimal identifier used in the generation of a TS key for saving this page or message. *termtype* is the terminal type.

**System action**
Other processing continues.

**User response**
Ensure that the temporary storage program is loaded.

**Module:**
DFHTPR

**Destination**
Terminal End User

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFHTP4120</td>
<td>Unable to interpret input. Please try again.</td>
</tr>
</tbody>
</table>

**Explanation**
The operator entered data that could not be interpreted.

**System action**
Input is discarded.

**User response**
Verify that input is valid under existing conditions.

**Module:**
DFHTPR

**Destination**
Terminal End User

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFHTP4121</td>
<td>An I/O error occurred while retrieving a message control record or message page. Message <em>bmsid</em>, terminal type <em>termtype</em>, page <em>pageno</em>.</td>
</tr>
</tbody>
</table>

**Explanation**
CICS was trying to retrieve page *pageno* of a message when a temporary storage I/O error occurred. Alternatively, CICS could have been trying to store or retrieve a message control record (MCR) if the page *pageno* equaled zero when the temporary storage I/O error occurred.

The message or page may be lost. *bmsid* is the BMS logical message identifier, which is a unique hexadecimal identifier used in the generation of a TS key for saving this page or message. *termtype* is the terminal type.

**System action**
If pages are being displayed at an autopaging terminal, the next page, if any, is displayed. Otherwise no action takes place.

**User response**
None.

**Module:**
DFHTPR

**Destination**
Terminal End User

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFHTP4122</td>
<td>Requested purge completed successfully.</td>
</tr>
</tbody>
</table>
Explanation
CICS has completed a page purge function requested from the terminal.

System action
Processing continues.

User response
None.

Module:
DFHTPR

Destination
Terminal End User

DFHPT4123  Terminal is now Autopaging.

Explanation
The terminal operator has requested that CICS reset a terminal that is temporarily in paging status, to autopaging status.

System action
The rest of the pages in the message are displayed. If there are none left and the message can be purged automatically, it is purged.

User response
None.

Module:
DFHTPR

Destination
Terminal End User

DFHPT4126  msgno has been copied.

Explanation
This message is issued in response to a request to copy to another terminal. msgno is the message number of the message being displayed.

System action
Processing continues.

User response
None.

Module:
DFHTPR

Destination
Terminal End User

DFHPT4127  nnnn must be a number. Please try again.

Explanation
The characters nnnn are not valid. The system expected a decimal value for a page or chain number, or a hexadecimal value for a message number.

System action
Other processing continues.

User response
Reenter the paging command. Use a valid number.

Module:
DFHTPR

Destination
Terminal End User

DFHPT4128  command is undefined for page retrieval.
Explanation
After a page retrieval (PR) session had been started, the operator pressed a PA or PF key for which no PR command had been defined in the SIT.

System action
The command is ignored. The display status bit is not altered.

User response
Ensure that the PR command in question is defined in the SIT.

Module: DFHTPR

Destination
Terminal End User

Explanation
You have used an unrecognized logical device. The valid names are xxx,yyy.

System action
Input is discarded and other processing continues.

User response
Reenter the paging command with a logical device mnemonic chosen from those listed in the message.

Module: DFHTPR

Destination
Terminal End User

Explanation
A paging command containing an invalid logical device mnemonic was entered. xxx,yyy,... indicates the valid logical device mnemonics for the requested logical message.

System action
Processing continues.

User response
None, unless a display was expected in the affected partition. In this case, check for an operator or application error.

Module: DFHTPR

Destination
Terminal End User

Explanation
Requested page cannot be copied to that terminal.

System action
The paging request is ignored.

User response
Carry out whichever one of the following is appropriate:

- Copy the offending page to a terminal that supports outboard formatting
- Make the referenced format nonoutboard
- Copy the offending page to a terminal that does support outboard formatting and which has a page size the same as that of the source terminal.

Module: DFHTPR

Destination
Terminal End User

Explanation
No pages have been built for this partition.

System action
Processing continues.

User response
None, unless a display was expected in the affected partition. In this case, check for an operator or application error.

Module: DFHTPR

Destination
Terminal End User

Explanation
Date time applid bmsid termtype pageno ID error on MCR or page.

System action
CICS was trying to retrieve page pageno of a message when an identifier error was received. Alternatively,
CICS could have been trying retrieve a message control record (MCR) if the page `pageno` equaled zero when the identifier error was received. The message or page may be lost.

The probable cause is that temporary storage was cold-started after the message was scheduled or saved, or the message has already been purged.

`bmsid` is the BMS logical message identifier, which is a unique hexadecimal identifier used in the generation of a TS key for saving this page/message. `termtype` is the terminal type.

**System action**
Other processing continues.

**User response**
None.

**Module:**
DFHTPQ

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `bmsid`
5. `termtype`
6. `pageno`

**Destination**
CSMT

**DFHTP4134**
`date time applid bmsid termtype pager Page invalid request on MCR or page.`

**Explanation**
CICS was trying to store or retrieve page `pageno` of a message when a temporary storage invalid request error occurred. Alternatively, CICS could have been trying to store or retrieve a message control record (MCR) if the page `pageno` equaled zero when the temporary storage invalid request error occurred. The message or page may be lost.

The probable cause is that temporary storage was not loaded.

`bmsid` is the BMS logical message identifier, which is a unique hexadecimal identifier used in the generation of a TS key for saving this page/message. `termtype` is the terminal type.
Explanation

During processing of a delayed delivery message a temporary storage I/O error occurred. The message is lost for all destination terminals.

System action

Other processing continues.

User response

None.

Module:

DFHTPS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid

Destination

CSMT

DFHTP4152 date time applid Invalid request on MCR.

Explanation

During processing of a delayed delivery message, a temporary storage invalid request error occurred. The message is lost for all destination terminals. The system was probably initialized without temporary storage.

System action

Other processing continues.

User response

Ensure that the system is initialized with temporary storage.

Module:

DFHTPS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid

Destination

CSMT

DFHTP4160 date time applid Message msgno purged as undeliverable from nnnn terminal(s).

Explanation

The message numbered msgno has been waiting for display at a terminal, but nnnn of these terminals are unable to display the message because they are out of service. This message is sent to the main terminal operator.

System action

To avoid affecting system performance, messages waiting longer than a time specified by the installation are purged.

User response

None.

Module:

DFHTPQ

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. msgno
5. nnnn

Destination

CSMT

DFHTP4161 Message msgno was not delivered. It was purged from terminal(s) termid. Message title was title.

Explanation

The message numbered msgno has been purged because it was not delivered within the system-defined time limit.

title is the title of message msgno and appears in this message only if one exists. termid is the terminal from which the message was purged.

System action

The message is purged from the system. No further attempt is made to deliver the message.
**User response**

None.

**Module:** DFHTPQ

**Destination**

Terminal End User

**DFHTP4162**

\[ date \, time \, applid \, nnnn \, BMS \, system \, messages \, purged \, as \, undeliverable \, from \, error \, notification \, terminal. \]

**Explanation**

Basic mapping support (BMS) system messages (for example, DFHTP4161) have been waiting to be displayed at the error notification terminal, but the terminal is unable to display them because its status is not consistent with their status, or because traffic is too heavy.

\( nnnn \) is the number of BMS system messages purged and \( termid \) is the error notification terminal's identifier.

**System action**

To avoid affecting system performance, messages waiting longer than a time specified by the installation, are purged.

**User response**

Either alter the status of the terminal to allow messages to be displayed or increase purge delay time at CICS system initialization.

**Module:** DFHTPQ

**XMEOUT parameters/Message inserts**

1. \( date \)
2. \( time \)
3. \( applid \)
4. \( termid \)

**Destination**

CSMT

**DFHTP4165**

\[ Undeliverable \, messages \, are \, being \, purged. \, The \, terminal \, is \, available \, for \, use. \]

**Explanation**

This message is sent to destination CSMT. It is also sent to the originating terminal if transaction CSPQ is entered from the terminal. Program DFHTPQ has been time-initiated to purge any messages that are considered undeliverable.

**System action**

A non-terminal task is initiated to purge undeliverable messages.

**User response**

None. The message is displayed at the terminal to indicate that the terminal is available for use.

**Module:** DFHTPQ
**Destination**
Terminal End User

**Explanation**
BMS has received an error return code `retcode` from CICS macro `{TS PURGE | BMS TEXTBLD | BMS PAGEOUT | TS PUT}`.

**System action**
Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHTPQ

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `retcode`
5. Value chosen from the following options:
   1. `TS PURGE`,
   2. `BMS TEXTBLD`,
   3. `BMS PAGEOUT`,
   4. `TS PUT`

**Destination**
CSMT

**Explanation**
BMS received a request from system `sysid` to route message `msgno` to terminal `termid`. The request could not be executed.

**System action**
Processing continues.

**User response**
Ensure that the resource definitions relating to the terminal in the two systems are consistent.

**Module:** DFHTPS

**XMEOUT parameters/Message inserts**
1. `date`
2. `time`
3. `applid`
4. `sysid`
5. `msgno`
6. `termid`

**Destination**
CSMT

**Explanation**
Request from system `sysid` to route message number `msgno` to terminal `termid` was not executed. Terminal not valid.

**System action**
Processing continues.

**User response**
Ensure that the resource definitions relating to the terminal in the two systems are consistent.

**Module:** DFHTPS
XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sysid
5. msgno
6. termid

Destination
CSMT

DFHTP4172

| date | time | applid | Request from system sysid to route message number msgno to terminal termid was not executed. Terminal not supported by BMS. |

Explanation
BMS received a request from system sysid to route message msgno to terminal termid. The request could not be executed because terminal termid is of a type not supported by BMS.

System action
Processing continues.

User response
Ensure that the resource definitions relating to the terminal in the two systems are consistent.

Module:
DFHTPS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sysid
5. msgno
6. termid

Destination
CSMT

DFHTP4174

| date | time | applid | Message routing has failed for terminal termid. The termid was invalid or could not be located. |

Explanation
BMS has received a request to route a message to terminal termid. The request could not be executed because termid is invalid or could not be located.

This message is produced if an attempt is made to route to some of the terminals for which CICS supplies default or sample definitions, perhaps by using the ALL option on CMSG. An example of this is the default 3270 bridge template terminal CBRF, which fails for routing because it is defined with REMOTESYSTEM(CBR), for which no definition is supplied.

System action
Processing continues.
User response
There are several possible courses of action, depending on the cause of the message.
• Remove or correct the terminal definition.
• Remove the terminal from the routing list.
• Ignore the message if the terminal is a sample or default definition.

Module:
DFHTPS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid

Destination
CSMT

DFHTP4175 date time applid Terminal termid has failed for terminal termid on remote system sysid. The sysid was invalid or could not be located.

Explanation
BMS has received a request to route a message to terminal termid. The request could not be executed because sysid is invalid or could not be located.

This message is produced if the REMOTESYSTEM attribute of the terminal definition is invalid. An example of this would be if the name of a locally installed terminal is specified as the REMOTESYSTEM rather than an MRO or APPC CONNECTION name.

System action
Processing continues.

User response
There are several possible courses of action, depending on the cause of the message.
• Remove the terminal definition or correct its REMOTESYSTEM attribute.
• Remove the terminal from the routing list.
• Ignore the message if the terminal is a sample or default definition.

Module:
DFHTPS

Destination
CSMT

DFHTP4180 date time applid Terminal termid specified as error terminal for message msgno from system sysid invalid and ignored.

Explanation
BMS has received a request from system sysid to route message msgno, specifying terminal termid to be notified in the event of the message not being delivered. Terminal termid is not defined in the terminal control table.

System action
Processing continues.

User response
Ensure that the resource definitions relating to the terminal in the two systems are consistent.

Module:
DFHTPS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. msgno
6. sysid

Destination
CSMT

DFHTP4190 Please enter your data again in the partition containing the cursor.
Explanation
The terminal operator entered data from a partition other than the expected input partition. The expected input partition is activated (that is, the cursor is moved into it), and the terminal operator should reenter data in this partition.

System action
Processing continues.

DFHTRnnnn messages

DFHTR0001 applid An abend (code abcode) has occurred at offset X'offset' in module modname.

Explanation
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code.
Alternatively, unexpected data has been input, or storage has been overwritten.
The code abcode is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.
CICS continues unless you have specified in the dump table that CICS should terminate.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Ensure that the terminal operator enters data in the correct partition.

Module:
DFHPHP

Destination
Terminal End User

and may give you some guidance concerning user response.
If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.
If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHTRSR, DFHTRPT, DFHTRDM, DFHTRFT

XMEOUT parameters/Message inserts
1. applid
2. abcode
3. X'offset'
4. modname

Destination
Console

DFHTR0002 applid A severe error (code X'code') has occurred in module modname.

Explanation
An error has been detected in module modname. The code X'code' is the exception trace point id which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the Troubleshooting and support.
System action

An exception entry (code X’code’) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

There may be an error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHTRSR

XMEOUT parameters/Message inserts

1. applid
2. X’code’
3. modname

Destination

Console

DFHTR0004 applid A possible loop has been detected at offset X’offset’ in module modname.

Explanation

A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X’offset’. This is the offset of the instruction which was executing at the time the error was detected.
**Explanation**

The internal trace table acquired during CICS initialization has a table size \(nn\)KB.

This is either the same as that specified on the TRTABSZ keyword of the SIT or message DFHTR0123 has preceded this on the console.

**System action**

CICS continues.

**User response**

None.

**Module:** DFHTRDM

**Destination**

Console

| DFHTR0104 | applid No buffer storage available for auxiliary trace data set. Auxiliary trace is inoperative. |

**Explanation**

An attempt to start auxiliary trace or to switch auxiliary trace extents has failed because the request to BSAM to open data set \(dataset\) failed.

**System action**

There are two cases:

- If the error occurs after an explicit request to start auxiliary trace (as opposed to switching extents), a CICS system dump with dump code TR0105 is taken. CICS then continues with auxiliary trace inactive.

- If the error occurs when auxiliary trace is already active, that is, an explicit switch request when auxiliary trace starts or an end-of-extent with autoswitching active, an SDUMP with dump code KERNDUMP is taken. This type of dump is not subject to suppression or modification by use of the dump table.

**User response**

Check that the DD statement for data set \(dataset\) is present.

If it is, format the system dump and examine the TR domain information. The DCB for the auxiliary trace data set should be present. Use this to determine the reason for the open failure.

**Module:** DFHTRSR, DFHTRSU

**Destination**

Console

| DFHTR0106 | applid DFHTRAO could not be loaded. Auxiliary trace is inoperative. |

**Explanation**

An attempt to start auxiliary trace failed because the CICS module, DFHTRAO, which is used to write to the auxiliary trace data set, could not be loaded.

**System action**

The loader domain (LD) will have issued messages and dumps as necessary. CICS continues with auxiliary trace inactive.

**User response**

Refer to the associated loader domain messages for further information and guidance.
**Module:** DFHTRSR

**XMEOUT parameters/Message inserts**

1. applid

**Destination
**

<table>
<thead>
<tr>
<th>Module</th>
<th>Destination</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Console</td>
</tr>
</tbody>
</table>

| DFHTR0107         | **ABEND X'abcode' ON AUXILIARY TRACE DATA SET dataset - AUXILIARY TRACE STOPPED.** |

**Explanation**

The DCB abend exit for named auxiliary trace data set dataset was driven after a request to BSAM.

The 3-digit abend code is indicated as X'abcode'.

**System action**

CICS continues with auxiliary trace inactive.

**User response**

Refer to the z/OS MVS System Codes manual for an explanation of the abend code, X'abcode'.

**Module:** DFHTRAO

**Destination**

<table>
<thead>
<tr>
<th>Module</th>
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| DFHTR0108 | **I/O ERROR ON AUXILIARY TRACE DATA SET dataset - AUXILIARY TRACE STOPPED.** |

**Explanation**

The SYNAD exit for the auxiliary trace data set dataset was driven after a request to BSAM.

**System action**

CICS will continue with auxiliary trace inactive.

**User response**

Use this message and any BSAM messages to determine the source of the error.

**Module:** DFHTRSU

**Destination**

<table>
<thead>
<tr>
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| DFHTR0110 | **AUXILIARY TRACE DATA SET dataset1 FULL - SWITCHING TO dataset2.** |

**Explanation**

The auxiliary trace data set dataset1 is full. Auxiliary trace is continuing on data set dataset2 because autoswitching was requested.

**System action**

CICS continues with auxiliary trace active on the data set dataset2.

**User response**

Process the full data set if required.

**Module:** DFHTRSU

**Destination**

<table>
<thead>
<tr>
<th>Module</th>
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</table>

| DFHTR0111 | **applid Unable to acquire storage for GTF buffer - GTF trace inoperative.** |

**Explanation**

The auxiliary trace data set dataset is full. Auxiliary trace has been stopped because autoswitch is not active.

**System action**

CICS continues with auxiliary trace inactive.

**User response**

The auxiliary trace data set dataset can now be processed by the print routine DFHTU730.
**Explanation**

An attempt to start CICS tracing to the MVS Generalized Trace Facility (GTF) failed because there was insufficient storage available from MVS for the 256-byte buffer required.

This message can be issued by DFHTRDM during CICS initialization if GTFTR=ON is specified on the SIT or start-up overrides, or by DFHTRSU if the request to start GTF was made after CICS was up and running.

**System action**

CICS continues with GTF tracing inactive.

**User response**

The failure to acquire even 256 bytes of storage indicates that the CICS region is probably in a stall condition. This can only be relieved by removing some of the users of MVS storage or by restarting CICS, possibly with a larger region size.

**Module:**

DFHTRDM, DFHTRSU

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

**DFHTR0112**  _applid_ Bad data passed for tracing to module _modname_.

**Explanation**

Some data passed to the trace (TR) domain for addition to the internal trace table, auxiliary trace data set or GTF trace caused a program check when an attempt was made to access it.

This could either be as a result of a request made by CICS system code or a request made by a user program through the API or XPI.

If transaction isolation is active, this message can be issued if a transaction passes another transaction’s storage to CICS. A program check occurs when CICS attempts to trace this storage because the storage is fetch protected.

**System action**

A system dump with dump code TR0112 is taken.

If the message was issued by DFHTRPT the dump contains an exception trace entry (point ID TR0402) that includes the erroneous parameter list passed to DFHTRPT.

If the message was issued by DFHTRFT the dump contains an exception trace entry (point ID TR0402) that includes the erroneous parameter list passed to DFHTRFT.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Examine the interpreted exception trace entry to determine the domain that issued the call and the ID of the entry. Then look at the specified addresses and lengths in the data fields to see if they contain reasonable values. The fault is in the module that set up these fields for the trace call.

If transaction isolation is active, examine the calling domain's parameter list, data2, for storage that belongs to another transaction. Correct the offending application program. It should not be passing another transaction’s storage. Alternatively, alter the definition of the application so that it can validly access another transaction's storage. See the Defining resources for more information on how to alter the definition.

**Module:**

DFHTRPT, DFHTRFT

**XMEOUT parameters/Message inserts**

1. applid

2. modname

**Destination**

Console

**DFHTR0113**  _applid_ Auxiliary trace is being started on data set _dataset_.

**Explanation**

A request to start auxiliary trace has been successfully processed. The trace records are being written to data set _dataset_.

**System action**

CICS continues with auxiliary trace active.

**User response**

None.

**Module:**

DFHTRSR
XMEOUT parameters/Message inserts

1. applid
2. dataset

Destination
Console

DFHTR0114 AN ABEND HAS OCCURRED DURING INITIALIZATION OF TRACE IN MODULE modname.

Explanation
Module modname's recovery routine received control during pre-initialization of the trace (TR) domain. This indicates that a program check has occurred in module modname.

There are three possible causes of this condition:
1. The module has been overwritten in main storage.
2. The module is at an incompatible level with the rest of the CICS modules.
3. There is an error in the module.

System action
A system dump with dump code KERNDUMP is taken.

User response
Inform the system programmer.

There may be an error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

Use the dump to determine the cause of the condition.

Module:
DFHTRDM, DFHTRSR

Destination
Console

DFHTR0115 AN ABEND HAS OCCURRED IN THE AUXILIARY TRACE MODULE DFHTRAO.

Explanation
Module DFHTRAO's recovery routine has received control.

This indicates a program check or MVS abend has occurred in DFHTRAO.

There are three possible causes of this condition:
• DFHTRAO has been overwritten in main storage
• DFHTRAO is at an incompatible level with the rest of the CICS modules
• There is an error in DFHTRAO.

System action
A system dump with dump code KERNDUMP is taken.

User response
There may be an error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module DFHTRAO is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module DFHTRAO, you should bring CICS down in a controlled shutdown.

Use the dump to determine the cause of the condition.

Module:
DFHTRAO

Destination
Console

DFHTR0116 AN ABEND HAS OCCURRED IN THE TRACE SUBROUTINES MODULE DFHTRSU.

Explanation
The recovery routine belonging to the trace domain module DFHTRSU has received control.

This indicates a program check or MVS abend has occurred in that module.

There are three possible causes of this condition:
• DFHTRSU has been overwritten in main storage.
• DFHTRSU is at an incompatible level with the rest of the CICS modules.
• There is an error in DFHTRSU.
**System action**
A system dump with dump code KERNDUMP is taken.

**User response**
There may be an error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module DFHTRSU is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module DFHTRSU, bring CICS down in a controlled shutdown.

Use the dump to determine the cause of the condition.

**Module:**
DFHTRSU

**Destination**
Console

**DFHTR0117**  
*applid* Auxiliary trace on data set *dataset* has been stopped.

**Explanation**
An operator or application program request, to stop CICS tracing to the auxiliary trace data set *dataset*, has been successfully processed.

**System action**
CICS continues with auxiliary trace inactive.

**User response**
The auxiliary trace data set *dataset* can now be processed by the print routine DFHTU730.

**Module:**
DFHTRSR

**XMEOUT parameters/Message inserts**

1. *applid*
2. *dataset*

**Destination**
Console

**DFHTR0118**  
*applid* Auxiliary trace is being switched from *dataset1* to *dataset2*.

**Explanation**
An operator or application program request to switch extents on the auxiliary trace data set while auxiliary trace is active is being processed.

**System action**
CICS stops tracing on the first named data set *dataset1*, and resumes tracing on the second named data set *dataset2*.

**User response**
The first named auxiliary trace data set *dataset1* can now be processed by the print routine DFHTU730.

**Module:**
DFHTRSR

**XMEOUT parameters/Message inserts**

1. *applid*
2. *dataset1*
3. *dataset2*

**Destination**
Console

**DFHTR0119**  
*applid* No DCB storage available for auxiliary trace data set.  
Auxiliary trace is inoperative.

**Explanation**
An attempt to start auxiliary trace failed because there was insufficient storage available from MVS for the auxiliary trace data set DCB.

**System action**
A CICS system dump with dump code TR0119 is taken. CICS then continues with auxiliary trace inactive.

**User response**
Determine why so little MVS storage below 16MB is available and retry if possible.

**Module:**
DFHTRSR
XMEOUT parameters/Message inserts

1. applid

Destination
Console

DFHTR0120 applid DFHTRAOX could not be loaded. Auxiliary trace is inoperative.

Explanation
An attempt to start auxiliary trace failed because the CICS module, DFHTRAOX, which is the auxiliary trace DCB abend exit, could not be loaded.

System action
The loader domain (LD) will have issued messages and dumps as necessary. CICS continues with auxiliary trace inactive.

User response
Refer to the associated loader domain messages for further information and guidance.

Module:
DFHTRSR

XMEOUT parameters/Message inserts

1. applid

Destination
Console

DFHTR0122 STORAGE FOR INTERNAL TRACE TABLE NOT AVAILABLE - TRACE INOPERATIVE.

Explanation
During CICS initialization, there was insufficient storage available to allocate even the minimum size (1MB) of above the bar storage for the internal trace table.

System action
CICS terminates with a system dump.

User response
The failure to allocate even 1MB of above the bar storage at this stage of initialization almost certainly means that other areas of CICS and other system functions will not be able to acquire the storage they require to operate, so the system is unlikely to initialize completely. A possible solution is to increase the value of the MEMLIMIT parameter.

Module:
DFHTRDM

Destination
Console

DFHTR0123 REQUESTED TRACE TABLE SIZE NOT AVAILABLE.

Explanation
CICS issues a GETSTOR request to MVS for the internal trace table storage. This message indicates that there is insufficient above the bar storage available to allocate the size of trace table specified on the TRTABSZ parameter, but a subsequent request for the minimum possible size of 1MB succeeded.

Message DFHTR0103 which follows this message gives the actual size of the trace table that will be used.

System action
CICS continues with an internal trace table of the size given by message DFHTR0103.

User response
There are three possible courses of action:
• Allow CICS to run with the decreased table size if this is thought to be adequate.
• Terminate the system and reinitialize after increasing the MEMLIMIT parameter for 64-bit storage available to CICS.
• Once the system is initialized, use CETR to increase the table size to the required value.

Module:
DFHTRDM

Destination
Console

DFHTR0124 applid UNABLE TO BUILD TRACE CELL POOL IN 64-BIT STORAGE.

Explanation
An attempt to allocate the cell pool for trace failed because there was insufficient 64-bit storage available. This cell pool is used to allocate working
storage for the global trap trace exit, DFHTRAP, and
the buffer for GTF trace. Therefore, neither of these
facilities can be used.

System action
CICS continues but DFHTRAP cannot be activated and
GTF trace is disabled.

User response
There are two possible courses of action: 1. If neither
DFHTRAP nor GTF trace are required, allow CICS to
continue 2. If DFHTRAP or GTF trace is required,
increase the MEMLIMIT parameter to allow CICS
access to more 64-bit storage. Then restart CICS.

Module:
DFHTRDM

Destination
Console

DFHTR0125  STORAGE FOR MOST
RECENT TASK TRACE TABLE
NOT AVAILABLE - TRACE
INOPERATIVE.

Explanation
During CICS initialization, there was insufficient
above the bar storage available to allocate storage for the
most recent trace entries table.

System action
CICS terminates with a system dump.

User response
The failure to allocate 10MB of above the bar storage
at this stage of initialization almost certainly means
that other areas of CICS and other system functions
will not be able to acquire the storage they require
to operate, so the system is unlikely to initialize
completely. A possible solution is to increase the value
of the MEMLIMIT parameter.

Module:
DFHTRDM

Destination
Console

Explaination
A request to start internal trace has been successfully
processed.

System action
CICS continues with internal trace active.

User response
None.

Module:
DFHTRSR

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHTR0131  applid Internal trace has been
stopped.

Explanation
A request to stop internal trace has been successfully
processed.

System action
CICS continues with internal trace not active.

User response
None.

Module:
DFHTRSR

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHTR0140  applid GTF trace is being started.

Explanation
A request to start GTF trace has been successfully
processed.
System action
CICS continues with GTF trace active.

User response
None.
Module: DFHTRSR

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHTR0141 applid GTF trace has been stopped.

Explanation
A request to stop GTF trace has been successfully processed.

System action
CICS continues with GTF trace not active.

User response
None.
Module: DFHTRSR

XMEOUT parameters/Message inserts
1. applid
2. modname

Destination
Console

DFHTR1000 applid Program check occurred within global trap exit - DFHTRAP now marked unusable by module modname.

Explanation
After making a trace entry, the CICS trace domain (TR) called the field engineering global trap exit program (DFHTRAP). A program check occurred during execution of DFHTRAP.

System action
CICS marks the currently active version of DFHTRAP unusable, and will ignore it on future calls to TR domain. CICS then takes a dump with system dump code TR1001, and continues execution.

User response
Use the dump to find the cause of the program check. To replace the currently active but unusable DFHTRAP by a new version in the CICS program library, issue the following commands in the sequence shown:

CSFE DEBUG,TRAP=OFF (to deactivate the current trap)
CEMT SET PROGRAM(DFHTRAP) NEWCOPY (to update the trap disk address known to CICS)
CSFE DEBUG,TRAP=ON (to activate the new version of the trap)

You should use the global trap exit only in consultation with an IBM support representative.

Module: DFHTRPT, DFHTRFT

XMEOUT parameters/Message inserts
1. applid
2. modname

Destination
Console

DFHTR1001 applid CICS abend requested by global trap exit DFHTRAP in module modname.

Explanation
The field engineering global trap exit program (DFHTRAP) requested termination of CICS.

System action
CICS disables the trap exit so that it will not be reentered, and terminates CICS.

User response
Determine why DFHTRAP has requested system termination and act accordingly. You should use the global trap exit only in consultation with an IBM support representative.

Module: DFHTRPT, DFHTRFT

XMEOUT parameters/Message inserts
1. applid
2. modname
**XMEOUT parameters/Message inserts**

1. **applid**
2. **modname**

**Explanation**

CICS could not activate the field engineering global trap exit program, DFHTRAP, during processing of the TRAP=ON SIT keyword or override in CICS initialization. This is almost certainly because DFHTRAP is not present in the program library.

**System action**

CICS takes a system dump with dump code TR1002 and continues with the global trap not activated.

**User response**

Ensure that DFHTRAP is defined to RDO and made available in the program library.

**You should use the global trap exit only in consultation with an IBM support representative.**

**Module:**

DFHTRDM

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**

Console

**DFHTR1002**

**applid Program DFHTRAP is not available - global trap not activated**

**Explanation**

The user-coded global trap exit program (DFHTRAP) has requested a system dump in its return action settings.

**System action**

CICS takes a system dump with dump code TR1003 and continues with the global trap still active.

**User response**

Analyze the requested dump.

Use the global trap exit only in consultation with IBM support.

**Module:**

DFHTRPT, DFHTRFT

**XMEOUT parameters/Message inserts**

1. **applid**
2. **modname**

**Destination**

Console

**DFHTR1004**

**.applid CICS system dump requested whilst holding the trace lock by global trap exit DFHTRAP in module modname.**

**Explanation**

The user-coded global trap exit program (DFHTRAP) has requested in its return action settings that a system dump be taken whilst holding the trace lock.

**System action**

CICS takes a system dump with dump code TR1004 and continues with the global trap still active.

**User response**

Analyze the requested dump.

Use the global trap exit only in consultation with IBM support.

**Module:**

**XMEOUT parameters/Message inserts**

1. **applid**
2. **modname**

**Destination**

Console

**DFHTR2000**

**INCOMPLETE ENTRY Ignored.**

**Explanation**

CICS trace entries longer than 256 bytes have to be split into multiple Generalized Trace Facility (GTF) entries because of GTF's length restriction. The CICS
entry becomes a header entry followed by one or more continuation entries. This message in the GTF printout indicates that a CICS entry on GTF longer than 256 bytes has not been printed because a new header entry from the same MVS TCB was encountered before all of the continuation entries from a previous split entry were received.

**System action**
The incomplete entry is ignored.

**User response**
This situation can arise in one of two ways:

- The MVS TCB making the first split trace entry abnormally terminated while writing the continuation entries.
  - This results in messages and a system dump during the CICS run.
  - Refer to the associated messages for further information and guidance. Use the dump to determine and solve the problem.
- GTF has failed to record one or more of the continuation entries because of an internal error. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHTRPRG

**Destination**
SYSPRINT

**DFHTR2002 INVALID ENTRY PASSED FOR FORMATTING.**

**Explanation**
A GTF entry with the CICS format identifier (X'EF') has been passed to the CICS GTF print routine but the data it contains is not part of a valid CICS trace entry.

**System action**
The invalid entry is printed in hexadecimal and the print job continues.

**User response**
Examine the entry for clues to its origin.

**Module:** DFHTRPRG

**Destination**
SYSPRINT

**DFHTR2003 UNEXPECTED CONTINUATION ENTRY ENCOUNTERED.**

**Explanation**
CICS trace entries longer than 256 bytes have to be split into multiple GTF entries because of GTF's length restriction. The CICS entry becomes a header entry followed by one or more continuation entries. This message in the GTF printout indicates that a GTF entry has been passed to the CICS GTF print routine that is not the start of a CICS segmented entry and the entry type is not one for which a continuation is currently expected.

**System action**
The invalid entry is printed in hexadecimal and the print job continues.

**User response**
This situation could arise if the header record for a segmented entry is overwritten because of GTF's normal cyclic re-use of space in its data set. In this case the invalid entries would be very close to the start of the printout.
If this is not so, examine the entry for clues to its origin.

**Module:** DFHTRPRG

**Destination**
SYSPRINT

**DFHTR2004** THE MAXIMUM NUMBER OF BUFFERS (nn) HAVE BEEN ALLOCATED. NONE ARE FREE FOR REUSE.

**Explanation**
A CICS trace entry longer than 256 bytes has been split into a header record and one or more continuation records on the generalized trace facility (GTF). However, it cannot be formatted because the maximum number of buffers allowed for reconstruction of segmented entries for a specific type has been reached. This maximum is currently set to nn. The number of buffers for a specific type relates directly to the number of regions or systems writing trace entries to the GTF trace data set. During writing, the segmented entries for some of the different regions or systems could become interleaved in the data set. To ensure that the entries are formatted completely and correctly, it is necessary to have a buffer available for each region or system whose trace entries have become interleaved in this way. For further information on trace types and segmented entries see the section on trace formatting in the CICS Diagnostics reference.

**System action**
The entry is printed in hexadecimal and the print job continues.

**User response**
None, but if the situation occurs regularly, contact your IBM Support Center to discuss whether the maximum value set is too low.

**Module:** DFHTRPRG

**Destination**
SYSPRINT

**DFHTR2005** THE LOAD FAILED FOR LOAD MODULE modname. PLACE MODULE IN THE LINK LIST AND TRY AGAIN.

**Explanation**
The generalized trace facility (GTF) trace formatter tried to load the correct release of trace formatter for the trace entry being processed.

**System action**
The job continues printing trace entries in hexadecimal only.

**User response**
Place the named trace formatter load module into the link list and rerun the job. If the named trace formatter is not available, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHTRPRG

**Destination**
SYSPRINT

**DFHTR2006** UNKNOWN ENTRY PASSED FOR FORMATTING.

**Explanation**
An unknown CICS GTF trace entry has been passed to the CICS GTF print routine. The probable reason for this is that the CICS GTF formatting routine being used is from a previous CICS release and therefore does not recognize entries from the current release.

**System action**
The unknown entry is printed in hexadecimal and the print job continues.

**User response**
Examine the entry for clues to its origin. Ensure you are running GTF formatting routine DFHTGxxx where xxx is the current CICS release level.

**Module:** DFHTRPRG

**Destination**
SYSPRINT

**DFHTR3001** ERROR IN OPENING DFHAXPRT FILE.
**Explanation**
The auxiliary trace print program DFHTU730 could not open the data set defined to receive the print output.

**System action**
The print job terminates with a return code of 8.

**User response**
Ensure that the DD statement for DFHAXPRT is present and correct in the DFHTU730 job.

**Module:** DFHTRPRA

**Destination**
Console

**DFHTR3002** ERROR IN OPENING DFHAUXT FILE.

**Explanation**
The auxiliary trace print program DFHTU730 could not open the auxiliary trace data set to be processed.

**System action**
The print job terminates with a return code of 8.

**User response**
Ensure that the DD statement for DFHAUXT is present and correct in the DFHTU730 job.

**Module:** DFHTRPRA

**Destination**
Console

**DFHTR3003** ERROR IN OPENING DFHAXPRM FILE.

**Explanation**
The auxiliary trace print program DFHTU730 could not open the parameter input data set DFHAXPRM.

**System action**
The print job terminates with a return code of 8.

**User response**
Ensure that the DD statement for DFHAXPRM is present and correct in the DFHTU730 job, or specify your input parameters on the PARM keyword of the EXEC statement.

**Module:** DFHTRPRA

**Destination**
Console

**DFHTR3004** NO MVS STORAGE FOR TRACE SUMMARY TABLE.

**Explanation**
The auxiliary trace print program DFHTU730 could not obtain storage required for generating the trace summary table.

**System action**
The print job continues, but the trace summary table will not be produced.

**User response**
Investigate why the system is so short on storage.

**Module:** DFHTRPRA

**Destination**
Console

**DFHTR3010** ERROR IN TRACE DATA - ENTRIES MAY HAVE BEEN LOST.

**Explanation**
The trace block being formatted contains invalid length and/or pointer fields. This can happen if the trace table is accidentally overwritten.

**System action**
The trace formatting code scans the block to try and find valid entries. Any that are found are printed. The rest of the data is ignored.

**User response**
Try and determine what caused the overwriting of the internal trace table.
Ignore the trace entries immediately before and after this message in the print out as they might contain incorrect data.

**Module:**
DFHTRFPB

**Destination**
SYSPRINT

**DFHTR4001 Pos position, Blank record.**

**Explanation**
The trace selection parameters for either the auxiliary trace print program DFHTU730, the system dump print program DFHPD730, or the GTF trace print program DFHTR730 are not correctly specified. There were no valid selective trace print parameters found.

**System action**
The print job terminates with a return code of 8.

**User response**
Specify a valid selective trace print parameter and rerun the job. Please refer to the CICS documentation for a list of valid trace print selection parameters.

**Module:**
DFHTRFPF

**Destination**
SYSPRINT

**DFHTR4003 Pos position, Unexpected end of data.**

**Explanation**
The trace selection parameters for either the auxiliary trace print program DFHTU730, the system dump print program DFHPD730, or the GTF trace print program DFHTR730 are not correctly specified. An unexpected end of data has been encountered.

**System action**
The print job terminates with a return code of 8.

**User response**
Ensure that the DD statement for DFHAXPRM is present and correct in the print job, or specify your input parameters on the PARM keyword of the EXEC statement. A blank line has been found as input on a job control statement. Specify at least one valid selection parameter on this job control statement and rerun the print job. Please refer to the CICS documentation for a list of valid trace print selection parameters.

**Module:**
DFHTRFPF

**Destination**
SYSPRINT

**DFHTR4004 Pos position, Missing parenthesis.**

**Explanation**
The trace selection parameters for either the auxiliary trace print program DFHTU730, the system dump print program DFHPD730, or the GTF trace print program DFHTR730 are not correctly specified. Keywords have been specified which need matching parentheses and one of these is missing.

**System action**
The print job terminates with a return code of 8.
User response

To specify more than one entry for a selection, you must put the list of entries in parentheses. For example, to select transids ABRQ, AORD, and MYTR, specify TRANID=(ABRQ,AORD,MYTR). Ensure you have specified matching pairs of parentheses as required.

Module:
DFHTRFPP

Destination
SYSPRINT

DFHTR4005 Pos position, Null data.

Explanation
The trace selection parameters for either the auxiliary trace print program DFHTU730, the system dump print program DFHPD730, or the GTF trace print program DFHTR730 are not correctly specified. Null data has been found at position in the trace selection parameter statement.

System action
The print job terminates with a return code of 8.

User response
Ensure you put valid data in the trace selection parameters. Please refer to the CICS documentation for guidance on valid trace print selection parameters.

Module:
DFHTRFPP

Destination
SYSPRINT

DFHTR4007 Pos position, Invalid separator.

Explanation
The trace selection parameters for either the auxiliary trace print program DFHTU730, the system dump print program DFHPD730, or the GTF trace print program DFHTR730 are not correctly specified. An invalid separator has been found at position.

System action
The print job terminates with a return code of 8.

User response
You must use commas to separate keywords and entries in a list.

Module:
DFHTRFPP

Destination
SYSPRINT

DFHTR4008 Pos position, Parameter length invalid.

Explanation
The trace selection parameters for the auxiliary trace print program DFHTU730, the system dump print program DFHPD730, or the GTF trace print program DFHTR730 are not correctly specified. A trace selection parameter has been specified with an incorrect length.

System action
The print job terminates with a return code of 8.

User response
Ensure that the length of the specified trace selection parameter is correct.

Module:
DFHTRFPP

Destination
SYSPRINT

DFHTR4009 Pos position, Parameter value invalid.

Explanation
The trace selection parameters for either the auxiliary trace print program DFHTU730, the system dump print program DFHPD730, or the GTF trace print program DFHTR730 are not correctly specified. A trace selection parameter has been specified with an invalid value at position.

System action
The print job terminates with a return code of 8.
User response
Correct the incorrect parameter value. Refer to the CICS documentation for guidance on valid trace print selection parameters.

Module: DFHTRFPP

Destination
SYSPRINT
DFHTR4010 Pos position, Parameter range invalid.

Explanation
The trace selection parameters for either the auxiliary trace print program DFHTU730, the system dump print program DFHPD730, or the GTF trace print program DFHTR730 are not correctly specified. A value has been specified at position which is outside the valid range for this parameter.

System action
The print job terminates with a return code of 8.

User response
Ensure that the value specified is in the correct range for this selection parameter. Refer to the CICS documentation for guidance on valid trace print selection parameters.

Module: DFHTRFPP

Destination
SYSPRINT
DFHTR4011 Pos position, Invalid page size range.

Explanation
The trace selection parameters for either the auxiliary trace print program DFHTU730, or the system dump print program DFHPD730 are not correctly specified. The value specified at position for the PAGESIZE=(value) selection parameter is outside the valid range allowed.

System action
The print job terminates with a return code of 8.

User response
Specify a value for PAGESIZE=(value) in the range 20 through 9999 lines per page.

Module: DFHTRFPP

Destination
SYSPRINT
DFHTR4012 Pos position, Invalid combination of FULL, ABBREV and SHORT trace.

Explanation
The trace selection parameters for either the auxiliary trace print program DFHTU730, the system dump print program DFHPD730, or the GTF trace print program DFHTR730 are not correctly specified. Two or more of the selection parameters ABBREV, SHORT, or FULL have been specified together. These parameters are mutually exclusive.

System action
The print job terminates with a return code of 8.

User response
Specify either ABBREV or SHORT or FULL and rerun the print job.

Module: DFHTRFPP

Destination
SYSPRINT
DFHTR5001 THE LOAD FOR A FEATURE PROGRAM HAS FAILED.

Explanation
The load for a feature formatting program has failed. This can happen if the program text is not included in one of the named datasets for the job.

System action
The trace formatting continues without feature tracing.

User response
Try and determine what caused the load error.

Module: DFHTRFFE

Chapter 2. CICS messages 2093
Destination
SYSPRINT

DFHTR5002 FEATURE FORMATTING PROGRAM HAS FAILED.

Explanation
A feature formatting program has failed.

System action
The trace formatting continues without feature tracing.

DFHSTSnnnnn messages

DFHSTS0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, OC1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHTSAM, DFHTSBR, DFHTSDM, DFHTSPT, DFHTSQR, DFHTSRM, DFHTSSH, DFHTSSR, DFHTSST, DFHTSWQ.

XMEOUT parameters/Message inserts
1. applid
2. aaa/bbbb
3. X'offset'
4. modname

Destination
Console

DFHSTS0002 applid A severe error (code X'code') has occurred in module modname.

Explanation
An error has been detected in module modname. The code X'code' is the exception trace point ID which
uniquely identifies what the error is and where the error was detected.

**System action**

An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHTSAM, DFHTSBR, DFHTSDM, DFHTSPT, DFHTSQR, DFHTSRM, DFHTSSH, DFHTSSR, DFHTSST, DFHTSWQ.

**XMEOUT parameters/Message inserts**

1. *applid*
2. X'code'
3. *modname*

**Destination**

Console

**DFHTS0102I**  
*applid* About to format the temporary storage data set (*numcis* control intervals).

**Explanation**

Temporary storage has been cold-started with a new data set. This message is issued when formatting of the data set commences, and indicates the number *numcis* of control intervals which will be formatted.
**System action**

CICS continues. Message DFHTS0101 is issued when temporary storage initialization has been completed. Note that formatting can take a significant time if the data set is large.

**User response**

None. You can suppress this message with the message level system initialization parameter, MSGLVL=0.

**Module:** DFHTSDM.

**XMEOUT parameters/Message inserts**

1. applid
2. numcis

**Destination**

Console

DFHTS0103 **applid** Invalid attempt to switch between a TST and RDO for Temporary Storage. The attempt is ignored.

**Explanation**

Temporary storage has detected an implicit attempt to switch between using a TST and RDO for TS queues, but CICS has not been COLD started.

Switching from using a TST to RDO for TS (or vice versa) is permitted only on a COLD or INITIAL start of CICS.

**System action**

CICS continues. The attempt to switch is ignored. CICS will use a TST (if specified) or RDO models for TS queues, as for the previous CICS run.

**User response**

You may wish to restart CICS specifying an INITIAL or COLD start in order to complete the switch.

**Module:** DFHTSAD

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

CSMT

DFHTS0105 **date time applid terminal userid tranid tsmodelname** TSMODEL entry for tsmodelname has been added.

**Explanation**

This is an audit log message indicating that temporary storage model tsmodelname has been added to the system using the INSTALL command Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

**System action**

The system continues normally.

**User response**

None.

**Module:** DFHTSAD

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. tsmodelname

**Destination**

CSMT

DFHTS0105 **date time applid terminal userid tranid tsmodelname** TSMODEL entry for tsmodelname has been replaced.

**Explanation**

This is an audit log message indicating that temporary storage model entry tsmodelname has been replaced in the system using the INSTALL command. Where:
• terminal is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
• userid is the user identifier of the user associated with the transaction issuing the message.
• tranid is the transaction issuing the message.

System action
The system continues normally.

User response
None.

Module:
DFHTSAD

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. tsmodelname

Destination
CSMT

DFHTS1301 applid (READ | WRITE) Error detected by temporary storage. RPL feedback area is X'yyyyy'.

Explanation
An I/O error has been detected by temporary storage. Either:
• A hardware error occurred while a task was accessing the temporary storage data set, or
• VSAM detected a logic error in the request. The most likely cause of this is that the data set was defined incorrectly.

System action
An abend ATSD or ATSU is returned to the application program.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Ensure that the definition of the temporary storage data set is correct. For logic errors see the z/OS DFSMS Macro Instructions for Data Sets manual for assistance in interpreting RPL feedback codes.
See the Troubleshooting and support for more guidance in dealing with temporary storage problems.

Module:
DFHTSAM
**XMEOUT parameters/Message inserts**

1. `applid`
2. Value chosen from the following options:
   - `1=READ`
   - `2=WRITE`
3. `X'yyyyy'`

**Destination**

Console

**DFHTS1310**  
`applid` Temporary storage data set does not match bit map

**Explanation**

The temporary storage domain has detected an inconsistency between its control blocks. The inconsistency was detected either during compression of an I/O buffer or by the TS control block checking which is enabled via TS trace level 3.

Possible causes of the inconsistency are:
- An incorrect temporary storage data set (DFHTEMP) was used.
- The control interval size (CISIZE) of the temporary storage data set was changed between CICS runs.
- A storage overlay has occurred.
- An internal error has occurred within the TS domain.

**System action**

CICS is abnormally terminated with a dump.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

To determine the cause of the error, check that:
- The correct data set was used.
- The CISIZE of DFHTEMP was not altered between CICS runs (if CISIZE was altered, temporary storage should have been cold started).

Whatever the cause of the error, temporary storage must now be cold started.

See the Troubleshooting and support for more guidance in dealing with temporary storage problems. If an overlay has occurred, you will need further assistance from IBM.

See Working with IBM to solve your problem for guidance on how to proceed.

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**Module:** DFHTSAM

**XMEOUT parameters/Message inserts**

1. `applid`

**Destination**

Console

**DFHTS1311**  
`applid` Temporary storage data set is full and cannot be extended

**Explanation**

The temporary storage data set is full. CICS has failed in an attempt to extend it.

**System action**

Processing continues.

Message DFHTS1311 is reissued if any task subsequently attempts to write to the temporary storage dataset and the out-of-space condition persists (regardless of whether the dataset has been extended in the interim). However, message DFHTS1311 is not issued more often than once every 5 minutes.

**User response**

Consider whether you need to increase the space allocation for the temporary storage data set.

**Module:** DFHTSAM

---

**XMEOUT parameters/Message inserts**

1. `applid`

**Destination**

Console

**DFHTS1315**  
`applid` The temporary storage data set has exceeded the maximum number of control intervals supported.

**Explanation**

During a temporary storage write request, an attempt has been made to add a new control interval to the temporary storage data set. The temporary storage data set already contains the maximum number of supported control intervals and cannot be extended.
**System action**

Processing continues.

**User response**

Consider whether you need to increase the control interval size for the temporary storage data set. See the Configuring for guidance on defining the temporary storage data set.

**Module:** DFHTSAM

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**

Console

DFHTS1316 **applid** Auxiliary temporary storage data set usage has reached xx% of the capacity.

**Explanations**

The amount of storage in the temporary storage data set used by temporary storage queues has reached the percentage shown in the message.

**System action**

The warning threshold is increased to the next higher level which is 5% higher.

**User response**

Consider whether it is possible to delete some temporary storage queues which have not been accessed for a long time or whether you need to increase the space allocation for the temporary storage data set.

**Module:** DFHTSAM

**XMEOUT parameters/Message inserts**

1. **applid**

2. **xx**

**Destination**

Console

DFHTS1317 **applid** Auxiliary temporary storage data set usage has fallen below 70% of the capacity.

DFHTS1314 **applid** No DD statement provided for temporary storage data set.

**Explanation**

CICS is unable to open the auxiliary temporary storage data set because no DD statement has been provided.

**System action**

A dump is provided and CICS is terminated.

**User response**

Correct the error and restart CICS.

**Module:** DFHTSDM

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**

Console

DFHTS1341 **applid** VSAM error processing SHOWCAT for temporary storage data set.
Explanation
VSAM has detected an error during SHOWCAT processing for the auxiliary temporary storage data set.

System action
A dump is provided and CICS is terminated.

User response
Correct the error and restart CICS.
Module:
DFHTSDM

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHTS1342 applid Invalid VSAM definition for temporary storage data set.

Explanation
CICS is unable to open the auxiliary temporary storage data set because it is not defined as VSAM ESDS.

System action
A dump is provided and CICS is terminated.

User response
Correct the error and restart CICS.
Module:
DFHTSDM

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHTS1343 applid Invalid control record for temporary storage data set.

Explanation
The auxiliary temporary storage data set was not initialized for temporary storage.

System action
The temporary storage initialization task is abnormally terminated.

User response
Correct the error and restart CICS.
Module:
DFHTSDM

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHTS1362 applid Temporary storage data set not formatted

Explanation
The auxiliary temporary storage data set is not formatted. It is empty. If initial formatting is necessary, it is performed when temporary storage is cold started.

DFHTS1371 applid VSAM error processing SHOWCB for temporary storage data set, RC='X'retcode'

Explanation
VSAM has detected an error during SHOWCB processing for the auxiliary temporary storage data set.
System action
The temporary storage initialization task is abnormally terminated.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Check the return code in the appropriate VSAM publication.
Module: DFHTSDM

XMEOUT parameters/Message inserts
1. applid
2. X'retcode'

Destination
Console

DFHTS1372 applid VSAM error processing OPEN for temporary storage data set, R15=X'retcode', RC=X'errorcode'

Explanation
VSAM has detected an error during OPEN processing for the auxiliary temporary storage data set. The inserts identify the return code and the error code.

System action
The temporary storage initialization task is abnormally terminated.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Check the return code and error code in the appropriate VSAM publication.
Module: DFHTSDM

XMEOUT parameters/Message inserts
1. applid
2. X'retcode'
3. X'errorcode'

Destination
Console

DFHTS1373 applid VSAM error processing CLOSE for temporary storage data set, R15=X'retcode', RC=X'errorcode'

Explanation
VSAM has detected an error during CLOSE processing for the auxiliary temporary storage data set. The inserts identify the return code and the error code.

System action
The temporary storage initialization task is abnormally terminated.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Check the return code and error code in the appropriate VSAM publication.
Module: DFHTSDM

XMEOUT parameters/Message inserts
1. applid
2. X'retcode'
3. X'errorcode'

Destination
Console

DFHTS1374 applid VSAM error processing PUT for temporary storage data set, R15=X'retcode', RC=X'errorcode'

Explanation
VSAM has detected an error during PUT processing for the auxiliary temporary storage data set. The inserts identify the return code and the error code.

System action
The temporary storage initialization task is abnormally terminated.
Message DFHME0116, which contains the symptom string for this problem, is produced.
User response
Check the return code and error code in the appropriate VSAM publication.

Module:
DFHTSDM

XMEOUT parameters/Message inserts
1. applid
2. X'retcode'
3. X'errorcode'

Destination
Console

DFHTS1375 applid VSAM error processing GET for temporary storage data set, R15=X'retcode', RC=X'errorcode'

Explanation
VSAM has detected an error during GET processing for the auxiliary temporary storage data set. The inserts identify the return code and the error code.

System action
The temporary storage initialization task is abnormally terminated.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Check the return code and error code in the appropriate VSAM publication.

Module:
DFHTSDM

XMEOUT parameters/Message inserts
1. applid
2. X'retcode'

Destination
Console

DFHTS1376 applid VSAM error processing MODCB for temporary storage data set, R15=X'retcode'

Explanation
VSAM has detected an error during MODCB processing for the auxiliary temporary storage data set. The insert identifies the return code.

System action
The temporary storage initialization task is abnormally terminated.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Check the return code and error code in the appropriate VSAM publication.

Module:
DFHTSDM

XMEOUT parameters/Message inserts
1. applid
2. X'retcode'

Destination
Console

DFHTS1390 date time applid TSQUEUE name (X'hexval') not recovered. Time last referenced: hh:mm:ss mm/dd/yy. TSAGE: tsage

Explanation
During an emergency start, the recoverable temporary storage queue (TSQUEUE) name was not recovered. This is because the time elapsed since it was last referenced exceeded the aging limit of temporary storage data as specified in the value of TSAGE tsage in the DFHTST macro.

System action
The queue is not recovered and processing continues.

User response
Ensure that the value of TSAGE specified in the DFHTST macro is adequate.

Module:
DFHTSRM

XMEOUT parameters/Message inserts
1. date
Destination

CSMT

**DFHTS1576**  
*applid* Temporary storage format error

**Explanation**

A nonzero return code was received from the VSAM macro GENCB when CICS was attempting to build a VSAM request parameter list (RPL).

**System action**

CICS terminates abnormally with a system dump. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**  
DFHTSDM

**XMEOUT parameters/Message inserts**

1. *applid*

**Destination**

Console

**DFHTS1599**  
*applid* Region/Partition size insufficient to initialize CICS.

**Explanation**

The temporary storage domain has been unable to GETMAIN sufficient storage for its own control blocks during initialization.

**System action**

CICS terminates with a system dump.

**User response**

Increase the region/partition size and retry. You can get information about the size and number of occurrences of relevant control blocks by using the CICS Data Areas in conjunction with the system dump.

**Module:**  
DFHTSDM

**XMEOUT parameters/Message inserts**

1. *applid*

**Destination**

Console

**DFHTS1601**  
*applid* Main temporary storage usage has reached xx% of TSMAINLIMIT storage.

**Explanation**

The amount of main storage used by temporary storage queues above the bar has reached the percentage shown in the message of the maximum allowed storage use, which is specified by the TSMAINLIMIT setting.

**System action**

Processing continues.

**User response**

Consider whether it is possible to delete some temporary storage queues which have not been accessed for a long time or whether to increase TSMAINLIMIT.

**Module:**  
DFHTSMN

**XMEOUT parameters/Message inserts**

1. *applid*

2. *xx*

**Destination**

Console

**DFHTS1602**  
*applid* Main temporary storage has attempted to exceed the TSMAINLIMIT storage limit.
Explanation
An attempt has been made to exceed the TSMAINLIMIT storage limit. This specifies the maximum amount of above the bar storage which can be used by main temporary storage queues.

System action
Attempts to write to temporary storage queues in main storage fail until storage becomes available.

User response
Consider whether it is possible to delete some temporary storage queues which have not been accessed for a long time or whether to increase TSMAINLIMIT.

Module: DFHTSMN

XMEOUT parameters/Message inserts
1. applid

Destination
Console

Explanation
The current utilization of storage by main temporary storage queues has fallen below 70% of the TSMAINLIMIT setting.

System action
Processing continues.

User response
None.

Module: DFHTSMN, DFHTSSR

XMEOUT parameters/Message inserts
1. applid

Destination
Console

Explanation
A scan of temporary storage queues has been performed and zero or more have been deleted. The decision to delete or not is based on the last used time.

System action
Processing continues.
DFHTS1606 APPLID The TSMAINLIMIT has been left unchanged at xxxx Mb.

Explanation
This message can be issued when an attempt has been made to decrease the TSMAINLIMIT setting. The requested value would not have left at least 33% of the currently used amount of storage as a buffer for future use. CICS will not reduce the limit below this level, so as to avoid temporary storage write requests immediately causing the TSMAINLIMIT to be reached. The TSMAINLIMIT is left unchanged. This message will also be issued if the TSMAINLIMIT requested was the same as the current setting.

System action
Processing continues.

User response
Consider deleting some temporary storage queues and re-issuing the command to lower the TSMAINLIMIT if it is required to decrease TSMAINLIMIT.

Module: DFHTSSR

DFHTS1606 APPLID The TSMAINLIMIT has been left unchanged at xxxx Mb.

Explanation
An attempt to increase the TSMAINLIMIT setting has failed. This is because the requested value would have exceeded 25% of the MEMLIMIT setting. This is not allowed.

System action
The TSMAINLIMIT has not been changed.

User response
It is only possible to increase TSMAINLIMIT to a value less than or equal to 25% of MEMLIMIT. If an increase of TSMAINLIMIT is required, calculate the upper limit allowed and try again.

Module: DFHTSSR

DFHTS1608 applid TS domain initialization has failed because an attempt was made to set TSMAINLIMIT to a value greater than 25% of MEMLIMIT.

Explanation
An attempt to set the TSMAINLIMIT value has failed. This is because the requested value would have exceeded 25% of the MEMLIMIT setting. This is not allowed.

System action
TS domain initialization has failed. This causes CICS initialization to be terminated.

User response
It is only possible to set TSMAINLIMIT to a value less than or equal to 25% of MEMLIMIT. Check the SIT
override setting for TSMAINLIMIT and the value of MEMLIMIT for your region.

Module:
DFHTSSR

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHTS1609 DATE TIME APPLID The TS queue clean up task could not start because it was already running.

Explanation
An attempt to run the TS clean up task failed because a previous instance of the task is still running. It is unusual for the TS clean up task to take a long time to run. This might happen if locks are being held on queues.

System action
Automatic deletion of TS queues is not performed. The clean up task that is already running needs to complete first.

User response
Check whether there are any signs of problems with your TS queues. Refer to the section, "Automatic deletion of temporary storage queues" in the CICS Knowledge Center.

Module:
DFHTSCL

XMEOUT parameters/Message inserts
1. DATE

DFHUPnnnn messages

DFHUP0201 applid ANOTHER PRODUCT HAS ALREADY REGISTERED FOR THIS DOMAIN. IFAUSAGE RC 4 HAS BEEN ISSUED. MODULE module

Explanation
A return code of 4 has been issued in response to an IFAUSAGE macro call. Another product has already registered to collect resource usage information for this IFAUSAGE domain. The module indicates the module that is being registered through IFAUSAGE.

System action
The current request is accepted but there is duplicate recording of data for both products.
User response
Examine the type 89 SMF records to determine which product is causing the duplicate registration to the domain.

See the Overview of Usage Charges in z/OS MVS Product Management manual for an explanation of the return code.

Module:
DFHCSDUP, DFHDRPA, DFHDUP, DFHJUP, DFHKETCB, DFHMNDUP, DFHSTUP, DFHTUP, DFHWOS

Destination
Console

**DFHUP0202** applid THE UNAUTHORIZED REQUEST LIMIT HAS BEEN EXCEEDED. IFAUSAGE RC 8 HAS BEEN ISSUED. MODULE module

Explanation
A return code of 8 has been issued in response to an IFAUSAGE macro call. This unauthorized request would cause the number of such requests to exceed the unauthorized request limit.

System action
Processing continues.

User response
See the Overview of Usage Charges in z/OS MVS Product Management manual for an explanation of the return code.

You may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHTUP, DFHWOS, DFHKETCB, DFHSIP

Destination
Console

**DFHUP0204** applid AN INVALID REQUEST HAS BEEN MADE. IFAUSAGE RETURN CODE X'code'. MODULE module

Explanation
The return code X'code' has been issued in response to an IFAUSAGE macro call. An invalid request or an internal parameter error has occurred.

System action
Processing continues.

User response
See the Overview of Usage Charges in z/OS MVS Product Management manual for an explanation of the return code.

You may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHCSDUP, DFHDRPA, DFHDUP, DFHJUP, DFHKETCB, DFHMNDUP, DFHSTUP, DFHTUP, DFHWOS
Destination

Console

DFHUSnnnn messages

DFHUS0001  **applid** An abend (code **aaa/bbbb**) has occurred at offset **X'offset'** in module **modname**.

Explanation

An abnormal end (abend) or program check has occurred in module **modname**. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code **aaa/bbbb** is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module **modname** is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module **modname** you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHUSAD, DFHUSDM, DFHUSFL, DFHUSIS, DFHUSST, DFHUSXM

XMEOUT parameters/Message inserts

1. **applid**
2. **aaa/bbbb**
3. **X'offset'**
4. **modname**

Destination

Console

DFHUS0002  **applid** A severe error (code **X'code'**) has occurred in module **modname**.

Explanation

An error has been detected in module **modname**. The code **X'code'** is the exception trace point ID which uniquely identifies what the error is and where it was detected.

System action

An exception entry (code **X'code'** in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.
User response
This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error. CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.
If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHUSAD, DFHUSDM, DFHUSFL, DFHUSIS, DFHUSST, DFHUSXM

XMEOUT parameters/Message inserts
1. applid
2. X'code'
3. modname

Destination
Console

DFHUS0004  applid A possible loop has been detected at offset X'offset' in module modname.

Explanation
A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.
CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain.
In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.
Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname in the message is terminated and CICS continues.
But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.
If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT permanently. However you can change the ICVR time interval temporarily online, using the CEMT transaction.
If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHUSAD, DFHUSDM, DFHUSFL, DFHUSIS, DFHUSST, DFHUSXM

XMEOUT parameters/Message inserts
1. applid
2. X'offset'
3. modname

Destination
Console
DFHUS0006 applid Insufficient storage to satisfy Getmain (code X'code') in module modname. MVS code mvscode.

Explanation
An MVS GETMAIN was issued by module modname, but there was insufficient storage available to satisfy the request.
The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.
The code mvscode is the MVS GETMAIN return code.

System action
An exception entry is made in the trace table (code X'code'). A system dump is taken, unless you have specifically suppressed dumps in the dump table.
CICS continues unless you have specified in the dump table that CICS should terminate.
If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the User Response for these messages.
If CICS is still running, the problem may be a temporary one which rights itself if more storage becomes available. If you can manage without module modname, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.
You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual.
Try decreasing the size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. See the Configuring or the Improving performance for more information on CICS storage.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHUSDM, DFHUSAD

XMEOUT parameters/Message inserts
1. applid
2. X'code'
3. modname
4. mvscode

Destination
Console

DFHUS0050 applid The default userid userid1 cannot be used by this CICS job with region userid userid2.

Explanation
The default userid specified in the system initialization parameter DFLTUSER cannot be used by this CICS job.
The region userid for this CICS job is not authorized to use the userid specified in the DFLTUSER system initialization parameter.

System action
CICS initialization terminates.

User response
Ensure the default userid and the userid for the CICS region are correct.
If the two userids are correct, obtain the necessary authorization for the default userid to be used by the CICS region userid. This may require the assistance of a security administrator.
Previous messages may have been produced by the job giving additional information.

Module:
DFHUSDM

XMEOUT parameters/Message inserts
1. applid
2. userid1
3. userid2
Destination
Console
DFHUS0070 applid  Security check for CICS region userid (userid) has failed. SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas'). USAD reason code is (reason).

Explanation
An attempt was made to establish security for the CICS region userid but this was rejected by the external security manager (ESM).

System action
CICS initialization terminates. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. For the meaning of the response and reason codes in the message see z/OS MVS Programming: Authorized Assembler Services Guide (SA22-7608) and z/OS Security Server RACROUTE Macro Reference (SA22-7692).

There may be further messages produced by CICS or the external security manager (ESM) which provide more information.

If the ESM and SAF codes are not sufficient to explain the problem, then the USAD response code can be analyzed by IBM support. See Working with IBM to solve your problem for guidance on how to proceed.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHUSDM

XMEOUT parameters/Message inserts
1. applid
2. userid
3. X'safresp'

4. X'safreas'
5. X'esmresp'
6. X'esmreas'
7. reason

Destination
Console
DFHUS0100 applid CICS is unable to listen for ENF event 71. Changing a user's RACF attributes will only take effect after the USRDELAY timeout.

Explanation
CICS was unable to register with z/OS to listen to ENF event 71. This event notifies CICS when a user's RACF profile has changed so that the new profile will be applied the next time an eligible user ID is used.

System action
A system dump is taken, unless you have specifically disabled dumps for this dumpcode in the dump table. RACF profile changes will only take effect when the USRDELAY period expires for the session. See the USRDELAY SIT parameter for a description of this mechanism.

User response
Error information is provided in exception trace point DMDM 0090 for this failure. See MVS Authorized Assembler Services Guide for a description of the event.

Module:
DFHUSDM

XMEOUT parameters/Message inserts
1. applid

Destination
Console
DFHUS0120 applid An error occurred when performing SNSCOPE checking for a signon request.

Explanation
The MVS ENQ issued as part of SNSCOPE checking has failed. The return code indicates that the CICS job has reached the limit of concurrent resource requests.

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System action

A system dump is suppressed, unless you have specifically enabled dumps for this dumpcode in the dump table. The request to signon is rejected.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

See the OS/390 MVS Programming Authorized Assembler Services Guide for guidance on increasing the MVS ENQ limit. The MVS ENQ is issued by CICS in an unauthorized state.

Note:

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:

DFHUSAD, DFHUSFL

XMEOUT parameters/Message inserts

1. applid

Destination

Console

DFHUS0150  applid  An attempt to establish security has failed for userid userid in group groupid, {no terminal, | netname | console } portname applid applid. Unable to initialize the transaction tranid. SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas').

Explanation

An attempt was made to establish security for userid userid in group groupid with access to resources allowed for the terminal or console portname and the application applid. The attempt was rejected by the external security manager (ESM).

The transaction tranid cannot be initialized.

System action

Security has not been established for the userid. The attempt to initialize the transaction has failed.

User response

The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the z/OS MVS Programming: Authorized Assembler Services Guide and in z/OS Security Server RACROUTE Macro Reference (SC28-1366). See these manuals for an explanation of the codes.

There may be further messages produced by CICS or the external security manager (ESM) which provide more information.

Note:

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:

DFHUSXM

XMEOUT parameters/Message inserts

1. applid
2. userid
3. groupid
4. Value chosen from the following options:
   99=no terminal, ,
   1=netname, 
   2=console
5. portname
6. applid
7. tranid
8. X'safresp'
9. X'safreas'
10. X'esmresp'
11. X'esmreas'

Destination

Console

DFHUS0200  date time applid User userid in group groupid { at netname | at console } portname has been timed out.
Explanation
User *userid* in group *groupid* (at terminal *portname* if appropriate) has been removed from this CICS system because the userid has been unused for a period longer than that specified in the USRDELAY system initialization parameter.

System action
Processing continues.

User response
See the Configuring for more information about USRDELAY.

Module:
DFHUSDM

XMEOUT parameters/Message inserts
1. *date*
2. *time*
3. *applid*
4. *userid*
5. *groupid*
6. Value chosen from the following options:
   1. *at netname* ,
   2. *at console*
7. *portname*

Destination
CSCS

DFHUS0350 *applid* The KERBEROSUSER *userid* has not been defined correctly to the external security manager (ESM). SAF codes are (X'safresp',X'saforea'). ESM codes are (X'esmresp',X'esmrea').

Explanation
The Kerberos userid specified in the system initialization parameter KERBEROSUSER is not valid.

System action
CICS initialization terminates with a dump.

User response
Ensure the Kerberos userid specified in the system initialization parameter KERBEROSUSER is correct.

The response and reason codes (safresp and saforea) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmrea) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the z/OS MVS programming: Authorized Assembler Services Guide and in z/OS Security Server RACROUTE Macro Reference. See these manuals for an explanation of the codes.

There may be further messages produced by CICS or the external security manager (ESM) which provide more information.

Correct the errors and restart CICS.

Module:
DFHUSDM

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**XMEOUT parameters/Message inserts**

1. **applid**
2. **userid**
3. **X'safresp'**
4. **X'safreas'**
5. **X'esmresp'**
6. **X'safreas'**

**Destination**

Console

---

**DFHW2nnnn messages**

**DFHW20001**

applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

**Explanation**

An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, OC1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

---

**DFHW20002**

applid A severe error (code X'code') has occurred in module modname.

**Explanation**

An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

**System action**

An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

---

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem. If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHW2AC, DFHW2AT, DFHW2DM, DFHW2FD, DFHW2RP, DFHW2SD, DFHW2UE, DFHW2W2

---

**XMEOUT parameters/Message inserts**

1. **applid**
2. **aaa/bbbb**
3. **X'offset'**
4. **modname**

---

DFHW20001

applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem. If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHW2AC, DFHW2AT, DFHW2DM, DFHW2FD, DFHW2RP, DFHW2SD, DFHW2UE, DFHW2W2

---

**XMEOUT parameters/Message inserts**

1. **applid**
2. **aaa/bbbb**
3. **X'offset'**
4. **modname**

---

DFHW20002

applid A severe error (code X'code') has occurred in module modname.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.
Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHW2AC, DFHW2AT, DFHW2DM, DFHW2FD, DFHW2RP, DFHW2SD, DFHW2ST, DFHW2UE, DFHW2W2

**XMEOUT parameters/Message inserts**

1. *applid*
2. *X'code'*
3. *modname*

**Destination**

Console

DFHW20004  

*applid* A possible loop has been detected at offset *X'offset'* in module *modname*.

**Explanation**

A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset *X'offset'* This is the offset of the instruction that was executing at the time the error was detected.

**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Because some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function that exceeds the runaway task time interval that you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the module *modname* will be terminated and CICS will continue.

If you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. However, you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHW2AC, DFHW2AT, DFHW2FD, DFHW2RP, DFHW2SD, DFHW2UE, DFHW2W2

**XMEOUT parameters/Message inserts**

1. *applid*
2. *X'offset'*
3. *modname*

**Destination**

Console

DFHW20006  

*applid* Insufficient storage to satisfy Getmain (code *X'code'*

in module *modname*. MVS code *mvscode*.

**Module:**
DFHW2AC, DFHW2AT, DFHW2FD, DFHW2RP, DFHW2SD, DFHW2UE, DFHW2W2
Explanation
An MVS GETMAIN was issued by module modname but there was insufficient storage available to satisfy the request.

The code 'X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

The code mvscode is the MVS GETMAIN return code.
During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System action
CICS will terminate with a system dump. An exception entry is made in the trace table (code code in the message).
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Inform the system programmer.
You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.
Try decreasing the overall size limit of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you will need to bring CICS down to do this. See the Configuring or the Improving performance for further information on CICS storage.

Module:
DFHW2DM

XMEOUT parameters/Message inserts
1. applid
2. X'code'
3. modname
4. mvscode

Destination
Console

DFHW20101I applid Web2.0 domain initialization has started.

Explanation
This is an informational message indicating that initialization has started for the Web2.0 domain.

System action
System initialization continues.

User response
None. The message can be suppressed with the system initialization parameter MSGlvl=0.

Module:
DFHW2DM

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHW20110 date time applid userid ATOMSERVICE atomservice has been created.

Explanation
This is an informational message indicating that initialization has completed successfully for the Web2.0 domain.

System action
System initialization continues.

User response
None. The message can be suppressed with the system initialization parameter MSGlvl=0.

Module:
DFHW2DM

XMEOUT parameters/Message inserts
1. applid
Explanation
This is an audit log message indicating that ATOMSERVICE atomservice has been added to the system using the INSTALL command.

System action
The system continues normally.

User response
None.

Module:
DFHW2AT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. atomservice

Destination
CWBO

DFHW20111 date time applid userid ATOMSERVICE atomservice was successfully discarded.

Explanation
This is an audit log message indicating that ATOMSERVICE atomservice has been removed from the system using the DISCARD command.

System action
The system continues normally.

User response
None.

Module:
DFHW2AT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. filename
5. atomservice

Destination
CWBO

DFHW20121 date time applid Configuration file filename for ATOMSERVICE atomservice was not found.

Explanation
The configuration file filename for ATOMSERVICE atomservice could not be found.

System action
The ATOMSERVICE is not installed.

User response
Create a file in the z/OS UNIX file system corresponding to the name in the ATOMSERVICE CONFIGFILE attribute.

Module:
DFHW2AC, DFHW2SD
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. filename
5. atomservice

Destination
CWBO

DFHW20122

date time applid
The XML in the configuration file for
ATOMSERVICE atomservice is not well-formed. Response
codes from the XML System
Services parser are (X'return-
code', X'reason-code').

Explanation
The XML in the configuration file for ATOMSERVICE
atomservice is not well-formed. The z/OS XML System
Services parser returned with return code return-code
and reason code reason-code.

System action
The ATOMSERVICE is not installed.

User response
Correct the XML syntax in the configuration file.

Module:
DFHW2AC

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. atomservice
5. ns-uri

Destination
CWBO

DFHW20123

date time applid
Configuration error for ATOMSERVICE
atomservice. Namespace URI ns-uri is not recognized.

Explanation
When analyzing the configuration file for
ATOMSERVICE atomservice, the XML namespace URI
ns-uri was encountered. This namespace is not valid in
this configuration file.

System action
The ATOMSERVICE is not installed.

User response
Correct the XML syntax in the configuration file.

Module:
DFHW2AC

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. atomservice
5. X'return-code'

Destination
CWBO

DFHW20124

date time applid
Configuration error for ATOMSERVICE
atomservice. XML element element
is not recognized.

Explanation
When analyzing the configuration file for
ATOMSERVICE atomservice, an unrecognized XML
element (tag name) was encountered.

System action
Analysis of the configuration file continues, but
the configuration is marked as invalid, and the
ATOMSERVICE will not be installed.
User response
Correct the XML syntax in the configuration file.

Module:
DFHW2AC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. atomservice
5. element

Destination
CWBO

DFHW20125 date time applid Configuration error for ATOMSERVICE atomservice. The XML root element is not valid.

Explanation
When analyzing the configuration file for ATOMSERVICE atomservice, an XML element hierarchy error was encountered. The element prefix1:element1 is not valid as a child element of the containing element prefix2:element2.

System action
Analysis of the configuration file continues, but the configuration is marked as invalid, and the ATOMSERVICE will not be installed.

User response
Correct the XML syntax in the configuration file.

Module:
DFHW2AC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. atomservice
5. prefix1
6. element1
7. prefix2
8. element2

Destination
CWBO

DFHW20127 date time applid Configuration error for ATOMSERVICE atomservice. Attribute prefix1:attr1 is not valid on element prefix2:element2.

Explanation
When analyzing the configuration file for ATOMSERVICE atomservice, an invalid attribute was encountered. The attribute prefix1:attr1 is not valid on the containing element prefix2:element2.

System action
Analysis of the configuration file continues, but the configuration is marked as invalid, and the ATOMSERVICE will not be installed.
User response
Correct the XML syntax in the configuration file.

Module:
DFHW2AC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. atomservice
5. prefix1
6. attr1
7. prefix2
8. element2

Destination
CWBO

DFHW20129  date time applid Configuration error for ATOMSERVICE atomservice. Required attribute prefix1:attr1 was not found on element prefix2:element2.

Explanation
When analyzing the configuration file for ATOMSERVICE atomservice, a required XML attribute was found to be omitted. The attribute prefix1:attr1 must be supplied on the prefix2:element2 element.

System action
Analysis of the configuration file continues, but the configuration is marked as invalid, and the ATOMSERVICE will not be installed.

User response
Correct the XML syntax in the configuration file.

Module:
DFHW2AC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. atomservice
5. prefix1
6. attr1
7. prefix2
8. element2

Destination
CWBO

DFHW20130  date time applid Configuration error for ATOMSERVICE atomservice. Required element prefix1:element1 { with attributes } attrib-list was not found within element prefix2:element2.
**Explanation**

When analyzing the configuration file for ATOMSERVICE `atomservice`, a required XML element was found to be omitted. Required element `prefix1:element1` was not found as a child element of the containing element `prefix2:element2`. In some cases, the instance of the omitted element may require specific attributes. If so, these are listed in `attrib-list`, following the phrase "with attributes".

**System action**

Analysis of the configuration file continues, but the configuration is marked as invalid, and the ATOMSERVICE will not be installed.

**User response**

Correct the XML syntax in the configuration file.

**Module:**

DFHW2AC

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `atomservice`
5. `prefix1`
6. `element1`
7. Value chosen from the following options:
   1. `with attributes`
8. `attrib-list`
9. `prefix2`
10. `element2`

**Destination**

CWBO

**DFHW20131** `date time applid` Configuration error for ATOMSERVICE `atomservice`. The value of the attribute `attr1` on element `prefix2:element2` does not match the value of the attribute `attr3` in the ATOMSERVICE definition.

**Explanation**

When analyzing the configuration file for ATOMSERVICE `atomservice`, an invalid attribute value was encountered. The value of the attribute `attr1` on element `prefix2:element2` does not match the value of the attribute `attr2` on the ATOMSERVICE definition.

**System action**

Analysis of the configuration file continues, but the configuration is marked as invalid, and the ATOMSERVICE will not be installed.
User response
Correct the XML syntax in the configuration file or ATOMSERVICE definition.

Module:
DFHW2AC, DFHW2AT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. atomservice
5. attr1
6. prefix2
7. element2
8. attr3

Destination
CWBO

DFHW20134 date time applid Configuration error for ATOMSERVICE atomservice. Version number version in the configuration file is not supported at this level of CICS.

Explanation
When analyzing the configuration file for ATOMSERVICE resource atomservice, an invalid attribute value was encountered for the 'version' attribute.

System action
Analysis of the configuration file continues, but the configuration is marked as invalid, and the ATOMSERVICE resource is not installed.

User response
Correct the version number in the configuration file.

Module:
DFHW2AT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. atomservice
5. version
6. prefix1
7. element1
8. element2
9. version

Destination
CWBO

DFHW20135 date time applid Configuration error for ATOMSERVICE atomservice. Attribute attr1 on element prefix:element is not available at version version of the configuration file.

Explanation
When analyzing the configuration file for ATOMSERVICE resource atomservice, an invalid attribute value was encountered. Use of attribute attr1 on element prefix:element requires a higher version number in the configuration file for the ATOMSERVICE resource.

System action
Analysis of the configuration file continues, but the configuration is marked as invalid, and the ATOMSERVICE resource is not installed.

User response
Correct the version number in the configuration file.

Module:
DFHW2AT
available at version version of the configuration file.

Explanation
When analyzing the configuration file for ATOMSERVICE resource atomservice, an invalid element was encountered. Use of element prefix1:element1 on element prefix2:element2 requires a higher version number in the configuration file for the ATOMSERVICE.

System action
Analysis of the configuration file continues, but the configuration is marked as invalid, and the ATOMSERVICE resource is not installed.

User response
Correct the version number in the configuration file.

Module:
DFHW2AT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. atomservice
5. prefix1
6. element1
7. prefix2
8. element2
9. version

Destination
CWBO

DFHW20141 date time applid The bind file filename for ATOMSERVICE atomservice was not found.

Explanation
The bind file filename for ATOMSERVICE atomservice could not be found.

System action
The ATOMSERVICE is not installed.

User response
Use the CICS XML assistant to create a file in the z/OS UNIX file system corresponding to the name in the ATOMSERVICE BINDFILE attribute.

Module:
Chapter 2. CICS messages 2123
DFHW2AT

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. filename
5. atomservice

**Destination**

CWBO

**DFHW20142**  

*date time applid* CICS is not authorized to access `{CONFIGFILE | BINDFILE} filename` for ATOMSERVICE atomservice.

**Explanation**

The CICS region user ID is not authorized to access the file filename, which is being used as a CONFIGFILE or a BINDFILE for ATOMSERVICE atomservice.

**System action**

The ATOMSERVICE is not installed.

**User response**

Either specify the name of a different file to which the CICS region user ID has access, or use the file authorization facilities of UNIX System Services (such as the chmod command) to grant permission to the CICS region user ID to access the specified file.

**Module:**  

DFHW2AT, DFHW2SD

---

**DFHW20151**  

*date time applid* Service program service-prog terminated abnormally with abend code abcode processing req-method for ATOMSERVICE atomserv.

**Explanation**

The program service-prog, which is being used as a service routine for the ATOMSERVICE atomserv, has terminated abnormally with abend code abcode. The ATOMSERVICE was processing a request for HTTP method req-method.

**System action**

A partial Atom response is constructed, but it does not contain the content that should have been provided by the failing program.

**User response**

Examine any diagnostic information such as traces or dumps to discover why the program failed. If the service program is supplied by CICS (that is, if its name begins with DFH or EYU) you may need to contact IBM for further assistance.

**Module:**  

DFHW2FD

---

**DFHW20160 W**

*date time applid* The file filename has access access set to NO. A httpmeth request for ATOMSERVICE atomserv cannot be satisfied.

**Explanation**

The file filename has access access set to NO. A httpmeth request for ATOMSERVICE atomserv cannot be satisfied.
An error response is returned to the client.

To allow future ATOM requests to complete successfully, the access permissions on the file definition must be changed. For an ATOM feed, the file must allow access for READ, and BROWSE requests. For an ATOM collection, http requests POST, PUT, and DELETE require the file definition to also allow ADD, UPDATE, and DELETE respectively.

Module: DFHW2FI, DFHW2FR

The CICS resource resource, which is referenced by ATOMSERVICE atomservice, is not defined with a type that is supported for access as an Atom feed. For example, it may be a BDAM file, or a VSAM file that is referenced by an alternate index with non-unique keys. These file types cannot be accessed as feeds.

The ATOMSERVICE resource is disabled.

Change the resource referenced by the ATOMSERVICE to one that is supported for delivering feeds. Then set the ATOMSERVICE enabled.

Module: DFHW2FD

1. date
2. time
3. applid
4. filename
5. access
6. httpmeth
7. atomserv

Destination CWBO

A CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.
**User response**

Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module `modname` is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem. If you cannot run without the full use of module `modname` you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHWBWB

**XMEOUT parameters/Message inserts**

1. `applid`
2. `aaa/bbbb`
3. `X'offset'`
4. `modname`

**Destination**

Console

**DFHWB0002**

`applid A severe error (code X'code') has occurred in module modname.`

**Explanation**

An error has been detected in module `modname`. The code `X'code'` is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

**System action**

An exception entry (code `X'code'` in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module `modname` is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module `modname`, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHWBST, DFHWBTC, DFHWBDM, DFHWBQM, DFHWBSR, DFHWBXM

**XMEOUT parameters/Message inserts**

1. `applid`
2. `X'code'`
3. `modname`

**Destination**

Console

**DFHWB0004**

`applid A possible loop has been detected at offset X'offset' in module modname.`

**Explanation**

A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module `modname` at offset `X'offset'`. This is the offset of the instruction that was executing at the time the error was detected.

**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.
Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Because some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function that exceeds the runaway task time interval that you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the module *modname* will be terminated and CICS will continue.

If you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. However, you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHWBST, DFHWBTC

**XMEOUT parameters/Message inserts**

1. applid
2. X'offset'
3. *modname*

**Destination**

Console

DFHWB0006  *applid* Insufficient storage to satisfy Getmain (code X'code') in module *modname*. MVS code *mvrcode*.

**Explanation**

An MVS GETMAIN was issued by module *modname* but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

The code *mvrcode* is the MVS GETMAIN return code.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

**System action**

CICS will terminate with a system dump. An exception entry is made in the trace table (code *code* in the message).

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Inform the system programmer.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the overall size limit of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you will need to bring CICS down to do this. See the Configuring or the Improving performance for further information on CICS storage.

**Module:**

DFHWBST

**XMEOUT parameters/Message inserts**

1. applid
2. X'code'
3. *modname*
4. *mvrcode*

**Destination**

Console

DFHWB0100  *date time applid tranid* The CICS Web Interface program cannot link to program DFHWBCLI.

**EIBRESP:** *eibresp*. **EIBRESP2:** *resp2val*. Host IP address:
Explanation
The alias program used EXEC CICS LINK but was unable to link to program DFHWBBLI.

System action
The link is abandoned. An HTTP response code of 500 (internal server error) is returned to the Web Browser. The alias abends with abend code AWBL.

User response
Use the CEDA transaction to ensure that program DFHWBBLI has been correctly defined and installed.

Module:
DFHWBA

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. eibresp
6. resp2val
7. hostaddr
8. clientaddr
9. Value chosen from the following options:
   1= ,
   2= TCPIPSERVICE:
10. tcpipservice

Destination
CWBO

DFHWB0101 The CICS Web Interface alias program DFHWBA detected a failure in program DFHWBBLI. Host IP address: hostaddr. Client IP address: clientaddr.{ | TCPIPSERVICE: } tcpipservice

Explanation
Program DFHWBBLI has returned an error response to the alias.

System action
The request is abandoned. The error response returned by program DFHWBBLI is returned to the Web Browser in an HTTP response:

403
The userid associated with the request is not authorized to invoke the requested converter program, or the requested server program.

404
A link to the converter program or to the server program failed because CICS could not locate the requested program.

500
A link to the converter program or to the server program failed with an unexpected error.

503
A link to the converter program or to the server program failed for one of the following reasons:

- The server program is defined as remote, but the link to this program failed with a SYSID error, so the remote connection is either not defined correctly, or not active.
- The link to the converter or the server program failed with the ROLLEDBACK response.

The alias abends with abend code AWBM unless suppressed by the URM DFHWBEP.

User response
Check program DFHWBBLI and the programs which it calls.

Module:
DFHWBA

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. hostaddr
6. clientaddr
7. Value chosen from the following options:
   1= ,
   2= TCPIPSERVICE:
8. tcpipservice
The CICS Web Interface alias program has received an error response on a call made to CICS during alias initialization. EIBRESP: eibresp EIBRESP2: resp2val.{ / TCPIPSERVICE: } tcpipservice

Explanation
The alias program was unable to locate the START data for this request, or the START data was invalid. The error response code X’code’ is the exception trace point id that uniquely identifies which error has occurred. A code of ‘4565’X means that the START data was missing, and ‘4566’X means that the START data was invalid.

System action
The alias abends with abend code AWBF and a trace entry is made in the trace table.

User response
The alias program DFHWBA is only to be used for alias transactions started by the CICS Web Interface. User-written applications should not be starting alias transactions, as data passed to the alias will not be in the expected format.

Module:
DFHWBA

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. X'code'
6. Value chosen from the following options:
   1= ,
   2= TCPIPSERVICE:
7. tcpipservice

Destination
CWBO

The CICS Web Interface alias program has received an error response (code X’code’) on a call made to CICS during alias initialization. { / TCPIPSERVICE: } tcpipservice

Explanation
The alias had detected an error.
System action
A system dump is taken. The alias abends with abend code AWBH. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Examine the diagnostics to determine the reason for the error.

Module:
DFHWBA

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1 = ,
   2 = TCPIPSERVICE:
6. tcpipservice

Destination
CWBO

DFHWB0108 date time applid tranid The CICS Web Interface alias program has detected an abend. Host IP address: hostaddr. Client IP address: clientaddr. { / TCPIPSERVICE: } tcpipservice

Explanation
The alias has detected an abend.

System action
The alias abends with abend code AWBK.

User response
Examine the diagnostics to determine the reason for the error.

Module:
DFHWBA

XMEOUT parameters/Message inserts
1. date
2. time

Destination
Console

DFHWB0110I applid Web domain initialization has ended.

Explanation
Web domain initialization has completed successfully.

System action
CICS initialization continues.

User response
None. You can suppress this message with the system initialization parameter, MSGLVL=0.
The CICS Web domain initialization failed with reason code rc.

**System action**
CICS initialization continues. Subsequent calls to the components of the CICS Web environment may fail.

**User response**
Use the reason code rc to determine why initialization failed. The possible reasons are:

1. Storage for the Web anchor block could not be obtained.
2. Storage for the State Manager anchor block could not be obtained.
3. The creation of the State Token Directory failed.
4. The subpool required for state management could not be added.
5. The subpool required for HTTP buffers could not be added.
6. The addition of the Web State Manager lock failed.
7. The subpool required for 3270 buffers could not be added.
8. The initialization of the webrequest class failed.

**Module:** DFHWBDM

**XMEOUT parameters/Message inserts**

1. applid
2. X'rc'

**Destination**
Console

**Explanation**
The defaultciphers.xml file was unable to be used because {there was a problem reading the file | the file contains invalid ciphers | the region does not support outbound HTTPS connections}

**System action**
CICS was requested to use the defaultciphers.xml file for outbound HTTPS requests. There was a problem processing the file.

**User response**
Make sure that the defaultciphers.xml file exists in the USSCONFIG/security/ciphers directory, is readable by the CICS region userid, and contains a valid list of ciphers.

**Module:** DFHWBDM

**XMEOUT parameters/Message inserts**

1. applid
2. Value chosen from the following options:
   1=there was a problem reading the file,
   2=the file contains invalid ciphers,
   3=the region does not support outbound HTTPS connections

**Destination**
Console
**Explanation**

CICS Web Support has received a non-HTTP request or a SSL request for a HTTP TCPIPSERVICE.

**System action**

The request is rejected.

**User response**

Correct the TCPIPSERVICE definition to suit the type of request being sent. If you receive this message when trying to connect CICS Explorer to a particular region verify that you are connecting to the correct region and that you have NOT specified CPSMCONN=LMAS in the SIT.

**Module:**
DFHWBXN, DFHWBXM

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. hostaddr
6. clientaddr
7. Value chosen from the following options:
   - 1=
   - 2= TCPIPSERVICE:
8. tcpipservice

**Destination**

CWBO

---

**DFHWB0117**

**Explanation**

Program DFHWBBLI has received a corrupt parameter list from the converter program program_name during either Decode or Encode processing, and the parameter list being passed was corrupt.

**System action**

An error message is sent to the client and an exception trace entry is made in the trace table.

**User response**

Ensure that the converter program being used is correct.

**Module:**
DFHWBBLI

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. program_name
6. Value chosen from the following options:
   - 4=Decode,
   - 5=Encode
7. Value chosen from the following options:
   - 1=
   - 2= TCPIPSERVICE:
8. tcpipservice

**Destination**

CWBO

---

**DFHWB0118**

**Explanation**

Program DFHWBBLI has detected an error.

**System action**

A system dump is taken. The transaction abends with abend code AWBR. Message DFHME0116, which
contains the symptom string for this problem, is produced.

**User response**

Examine the diagnostics to determine the reason for the error.

**Module:**
DFHWBBLI

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   - 1=
   - 2= TCPIPSERVICE:
6. tcpipservice

**Destination**

CWBO

---

DFHWB0120  
date time applid tranid  
The CICS Web Interface program DFHWBBLI cannot link to program program_name. EIBRESP: eibresp EIBRESP2: resp2val.  
{ | TCPIPSERVICE: } tcpipservice

**Explanation**

Program DFHWBBLI used an EXEC CICS LINK but was unable to link to the given program and an EIB response was returned.

**System action**

The link is abandoned.

**User response**

Ensure that the program definition is correct.

**Module:**
DFHWBBLI

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. program_name
6. eibresp
7. resp2val
8. Value chosen from the following options:
   - 1=
   - 2= TCPIPSERVICE:
9. tcpipservice

**Destination**

CWBO

---

Chapter 2. CICS messages 2133
The CICS Web Interface program DFHWBBLI encountered an error during Decode processing in the converter program. Response code: respcode, reason code: reasoncode. { | TCPIPSERVICE: } tcpipservice

Explanation
The Decode function of the converter has returned an error.

System action
An error message is sent to the client.

User response
The response code insert gives the RESPONSE code returned by the converter program. The reason code insert gives the REASON code returned by the converter program.

The values defined by CICS for these fields are defined in copybook DFHWBUCD. The CICS defined values for the RESPONSE code are:

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>OK</td>
</tr>
<tr>
<td>4</td>
<td>Exception</td>
</tr>
<tr>
<td>8</td>
<td>Invalid data supplied</td>
</tr>
<tr>
<td>16</td>
<td>Disaster</td>
</tr>
</tbody>
</table>

The CICS defined values for the REASON code are:

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Security failure</td>
</tr>
<tr>
<td>2</td>
<td>Corrupt client data</td>
</tr>
</tbody>
</table>

Users can architect their own response and reason code values to be returned by the analyzer, but they should use values other than those defined in the CICS supplied copybook DFHWBUCD.

Examine the response and reason codes returned to determine the cause of the error.

Module: DFHWBBLI

DFHWB0122 date time applid tranid The CICS Web Interface program DFHWBBLI encountered an error during Encode processing in the converter program. Response code: respcode, reason code: reasoncode. { | TCPIPSERVICE: } tcpipservice

Explanation
The Encode function of the converter program has returned an error.

System action
An error message is sent to the client.

User response
The response code insert gives the RESPONSE code returned by the converter program. The reason code insert gives the REASON code returned by the converter program.

The values defined by CICS for these fields are defined in copybook DFHWBUCD. The CICS defined values for the RESPONSE code are:

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>OK</td>
</tr>
<tr>
<td>4</td>
<td>Exception</td>
</tr>
<tr>
<td>8</td>
<td>Invalid data supplied</td>
</tr>
</tbody>
</table>

Users can architect their own response and reason code values to be returned by the analyzer, but they should use values other than those defined in the CICS supplied copybook DFHWBUCD.
Disaster

The CICS defined values for the REASON code are:

1

Security failure

2

Corrupt client data

Users can architect their own response and reason code values to be returned by the analyzer, but they should use values other than those defined in the CICS supplied copybook DFHWBUCD.

Examine the response and reason codes returned to determine the cause of the error.

Module:
DFHWBLLI

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. program
6. respcode
7. reasoncode
8. Value chosen from the following options:
   1=,
   2= TCPIPSERVICE:
9. tcpipservice

**Destination**

CWBO

**DFHWB0123**

date time applid tranid The CICS Web Interface program DFHWBA1 has detected an error. { | TCPIPSERVICE: } tcpipservice

**Explanation**

Program DFHWBA1 has detected an error.

**System action**

A system dump is taken. The transaction abends with abend code AWBR. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Examine the diagnostics to determine the reason for the error.

Module:
DFHWBA1

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1=,
   2= TCPIPSERVICE:
6. tcpipservice

**Destination**

CWBO

**DFHWB0124**

date time applid tranid The CICS Web Interface program DFHWBA1 has been started incorrectly. { | TCPIPSERVICE: } tcpipservice

**Explanation**

Program DFHWBA1 has detected an error while validating initialization information. This probably means that the program has been started incorrectly.

**System action**

The transaction abends with abend code AWBQ.

**User response**

Check that the program was not started by a transient data trigger level or by a CECI user.

Module:
DFHWBA1

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1=,
**Explanation**
Program DFHWBBLI has detected an abend by the program that was servicing the request during Encode processing.

**System action**
The alias returns control to the caller.

**User response**
Examine the diagnostics to determine the reason for the error.

**Module:**
DFHWBBLI

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. program
6. Value chosen from the following options:
   - 1= ,
   - 2= TCPIPSERVICE:
7. tcpipservice

**Destination**
CWBO

**Explanation**
Program DFHWBBLI has detected an abend by the converter that was servicing the request during Decode processing.

**System action**
The alias returns control to the caller.

**User response**
Examine the diagnostics to determine the reason for the error.
Module: DFHWBBLI

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. program
6. Value chosen from the following options:
   1= ,
   2= TCPIPSERVICE:
7. tcpipservice

Destination

CWBO

DFHWB0128  date time applid tranid An error has been detected by program program. { | TCPIPSERVICE: } tcpipservice

Explanation

Program DFHWBBLI has detected an error.

System action

The alias returns control to the caller.

User response

Examine the diagnostics to determine the reason for the error.

Module: DFHWBBLI

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. program
6. Value chosen from the following options:
   1= ,
   2= TCPIPSERVICE:
7. tcpipservice

Destination

CWBO

DFHWB0130  date time applid tranid No state token passed to program DFHWBLT. { | TCPIPSERVICE: } tcpipservice

Explanation

Program DFHWBLT was not passed the expected state token.

System action

The transaction abends with code AWC2, and an exception trace entry 410C is written.

User response

You may need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHWBBLT

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   1= ,
   2= TCPIPSERVICE:
6. tcpipservice

Destination

CWBO

DFHWB0131  date time applid tranid An error code X'code' occurred in DFHWBLT while accessing the Web state data for this transaction. { | TCPIPSERVICE: } tcpipservice

Explanation

The Web Bridge Exit program, DFHWBLT, has detected an error when attempting to access the Web state data held for this transaction.
System action
An exception trace entry is made in the trace table using code X'code'. The transaction abends with abend code AWC1 if the Bridge Exit was trying to establish a partnership with the CICS Web Interface alias transaction.

User response
Use the error code code to determine the reason for the failure:

4106
Unable to establish a partnership with the associated CICS Web Interface alias transaction.

4107
A call to terminate the partnership between this instance of DFHWBLT and its associated CICS Web Interface alias transaction failed.

4108
A call to wait for the CICS Web Interface alias transaction associated with this instance of DFHWBLT failed.

4109
A call to reactivate the CICS Web Interface alias transaction associated with this instance of DFHWBLT failed.

4112
A call to update the state data for this transaction failed.

4113
A call to retrieve the state data for this transaction failed.

4114
The alias task associated with this instance of DFHWBLT was not in the required state.

4116
A call to break the partnership between this instance of DFHWBLT and its associated CICS Web Interface alias transaction failed.

411B
A call to destroy the state data for this instance of DFHWBLT failed.

The most likely cause of the error is that the timeout interval for the Web state data has been exceeded, and the relevant state data has been deleted. Check that the timeout interval for the state data is set to a suitable value. You may need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHWBLT

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. X'code'
6. Value chosen from the following options:
   1=,
   2= TCPIPSERVICE:
7. tcpipservice

Destination
CWBO

DFHWB0132   date time applid tranid
Program DFHWBLT terminated due to storage problems. { / TCPIPSERVICE: } tcpipservice

Explanation
A getmain for storage issued by DFHWBLT failed. Without the storage, processing cannot continue.

System action
The transaction abends with code AWC5, and an exception trace entry 410D is written.

User response
If this error occurs repeatedly, you may need to examine the storage setup of your CICS system. Refer to the Developing system programs for CICS for further information on controlling CICS storage.

Module:
DFHWBLT

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
   
   1= ,
   2= TCPIPSERVICE:

6. tcpipservice

**Destination**

CWBO

**DFHWB0133**

`date time applid tranid Error X'code' occurred during CICS Web 3270 transaction processing. { / TCPIPSERVICE; } tcpipservice`

**Explanation**

Program DFHWBTTA detected an error when attempting to attach the Web bridge transaction or the Web 3270 Bridge exit program DFHWBLT encountered an internal error.

**System action**

The transaction returns an internal server error (HTTP response 500) to the HTTP client.

**User response**

The error code `code` identifies the CICS trace entry that corresponds to the failure. You may determine the transaction identifier of the Web bridge transaction from this entry and its significant characteristics.

Collect the CICS trace output. You may need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHWBTTA, DFHWBLT

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `X'code'`
6. Value chosen from the following options:
   
   1= ,
   2= TCPIPSERVICE:

7. tcpipservice

---

**Destination**

CWBO

**DFHWB0134**

`date time applid tranid Error X'code' occurred resolving the AID from HTTP forms data in the CICS Web terminal translation application. { / TCPIPSERVICE; } tcpipservice`

**Explanation**

Program DFHWBTTA is unable to resolve an attention identifier from the HTTP forms data returned from a web browser. DFHWBTTA translates the HTTP forms data into the correct 3270 format required by the CICS terminal-oriented transaction that is the target of this request. The attention identifier or AID is a mandatory part of this format. DFHWBTTA cannot locate a `name=value` pair in the HTTP forms data that adheres to the naming convention defined by the CICS Web Interface to represent an AID, and so cannot return an AID value to the terminal-oriented transaction.

**System action**

DFHWBTTA returns an internal server error (HTTP response 500) to the HTTP client, and terminates the exchange with the terminal-oriented transaction.

**User response**

The error code `code` identifies the CICS trace entry that corresponds to the failure. The HTTP forms data is produced as trace data. Collect the CICS trace output. Examine the HTTP forms data to determine what was returned from the web browser. Identify what HTML input type caused the web browser to submit the HTML form. Corruption of the HTTP forms data may be the cause of the problem. You may need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHWBTTA

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `tranid`
5. `X'code'`
6. Value chosen from the following options:
Destination

CWBO

DFHWB0135  date time applid tranid Error X'code' occurred resolving the next transaction identifier from HTTP forms data in the CICS Web terminal translation application. { / TCPIPSERVICE: } tcpipservice

Explanation

Program DFHWBTTA is unable to resolve the next transaction identifier from the HTTP forms data returned from a web browser. DFHWBTTA translates the HTTP forms data and extracts the identifier of the next transaction to be executed. DFHWBTTA cannot locate a name=value pair in the HTTP forms data that adheres to the naming convention defined by CICS to represent the next transaction identifier and so it cannot determine which terminal-oriented transaction to start.

System action

DFHWBTTA returns an internal server error (HTTP response 500) to the HTTP client.

User response

The error code code identifies the CICS trace entry that corresponds to the failure. The HTTP forms data is produced as trace data. Collect the CICS trace output. Examine the HTTP forms data to determine what was returned from the web browser. Corruption of the HTTP forms data may be the cause of the problem. You may need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module:

DFHWBTTA

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. X'code'

6. Value chosen from the following options:

1= ,
2= TCPIPSERVICE:
7. tcpipservice

Destination

CWBO

DFHWB0136  date time applid tranid An error code X'code' has occurred as a result of the Web State Garbage Collection process. { / TCPIPSERVICE: } tcpipservice

Explanation

Program DFHWBLT detected an error when attempting to access the Web state data held for this transaction. The transaction wait time has exceeded the garbage collection limit and the state block has been deleted by the garbage collection process.

System action

If the error occurs in DFHWBLT, a TERMERR condition is returned to the application and processing continues. If the error occurs in DFHWBTTA, an error response is sent to the browser and processing continues.

User response

Use the error code code to determine which module received the error:

4108  The error occurred in DFHWBLT.

420B  The error occurred in DFHWBTTA.

The cause of the error is that the garbage collection interval for the Web state data has been exceeded, and the relevant state data has been deleted. Check that the garbage collection interval for the state data is set to a suitable value. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

Module:

DFHWBLT, DFHWBTTA

XMEOUT parameters/Message inserts

1. date
2. time
An error code X'code' occurred in DFHWBTTA while accessing the Web state data for this transaction.

Explanation

The Web Terminal Translation Application program, DFHWBTTA, has detected an error when attempting to access the Web state data held for this transaction.

System action

An exception trace entry is made in the trace table using code X'code'.

User response

Use the error code code to determine the reason for the failure:

4203
Unable to establish a partnership with the associated CICS Web Interface alias transaction.

4204
Unable to initialize a partnership with the associated CICS Web Interface alias transaction.

4205
The alias task associated with this instance of DFHWBTTA was not in the required state.

4206
A call to create the state data for this instance of DFHWBTTA failed.

4207
A call to destroy the state data for this instance of DFHWBTTA failed.
**Explanation**
The CICS HTML template manager DFHWBTL could not find template name template_name in the HTML data set.

**System action**
Because 3270 / HTML conversion cannot be performed without the template, CICS returns a TERMERR condition to the application. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Make sure that the template exists in the template library. See the CICS documentation for guidance on how to create HTML templates. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:**
DFHWBTC

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. template_name
6. Value chosen from the following options:
   - 1 = ,
   - 2 = TCPIPSERVICE:
7. tcpipservice
**System action**
Exception trace point 0B07 is issued.

**User response**
Check the definitions in the TCPIP service and the specified transaction.

**Module:**
DFHWBSO

**XMEOUT parameters/Message inserts**
1. **DATE**
2. **TIME**
3. **APPLID**
4. **client_ip_addr**
5. **tcpipservice**
6. **transaction**

**Destination**
CWBO

**DFHWB0153 E**

**Explanation**
The web asynchronous socket receive failed with an IO error.

The socket domain received a request for a TCPIP service which specified PROTOCOL(ISC). However, the socket notify gate in module DFHWBSO was unable to obtain storage. This is because a short-on-storage (SOS) condition has caused the failure of a GETMAIN.

**System action**
Exception trace point 0B09 is issued.

**User response**
Investigate the reason for the SOS condition. See the Troubleshooting and support for guidance on dealing with the SOS condition.

**Retry the request later.**

**Module:**
DFHWBSO

**XMEOUT parameters/Message inserts**
1. **DATE**
2. **TIME**
3. **APPLID**
4. **client_ip_addr**
5. **tcpipservice**

**Destination**
CWBO

**DFHWB0360**

**Explanation**
An attempt to establish security for userid **userid** has failed. Transaction **tranid** cannot be started. SAF codes are (**X'safresp','X'safreas'**). ESM codes are (**X'esmresp','X'esmreas'**). Host IP address: **hostaddr**. Client IP address: **clientaddr**. TCPIPSERVICE: **tcpipservice**.

An attempt was made to establish security for userid **userid** but it was rejected by the external security manager (ESM).
In order to start transaction \textit{tranid} CICS Web attach processing requires security to be established for userid \textit{userid}, as selected for this transaction by the Analyzer URM specified for TCPIPSERVICE \textit{tcpipservice}.

\textbf{System action}

Security has not been established for the userid. The attempt to start the transaction has failed.

\textbf{User response}

The response and reason codes (\textit{safresp} and \textit{safreas}) returned by the system authorization facility (SAF), and the response and reason codes (\textit{esmresp} and \textit{esmreas}) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the \textit{z/OS MVS Programming: Authorized Assembler Services Guide}, and in \textit{z/OS Security Server RACROUTE Macro Reference} (SC28-1366). See these manuals for an explanation of the codes.

There may be further messages produced by CICS or the external security manager (ESM) which provide more information.

\textbf{Module:}

DFHWBXM

\textbf{XMEOUT parameters/Message inserts}

1. date
2. time
3. applid
4. userid
5. tranid
6. X’safresp’
7. X’safreas’
8. X’esmresp’
9. X’esmreas’
10. hostaddr
11. clientaddr
12. tcpipservice

\textbf{Destination}

CWBO

\begin{verbatim}
DFHWB0361  date time applid CICS Web alias transaction tranid could not be started due to an unexpected error. Host IP address: hostaddr.
Client IP address: clientaddr.
TCPIPSERVICE: tcpipservice.
\end{verbatim}

\textbf{Explanation}

An attempt was made to start transaction \textit{tranid} but the attach failed due to an unexpected error.
CICS Web attach processing could not start transid tranid processing due to an unexpected error.

**System action**
The attach for transaction tranid fails, then processing continues.

**User response**
you may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHWBXM

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. hostaddr
6. clientaddr
7. tcpipservice

**Destination**
CWBO

<table>
<thead>
<tr>
<th>Module: DFHWB0364</th>
<th>date time applid tranid</th>
<th>An attempt to establish security for userid userid has failed. The requested static response cannot be returned. SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas'). Host IP address: hostaddr. Client IP address: clientaddr. TCPIPSERVICE: tcpipservice.</th>
</tr>
</thead>
</table>

**Explanation**

An attempt was made to establish security for userid userid but it was rejected by the external security manager (ESM).

In order for CICS Web support to return the requested static response, security must be established for userid userid.

**System action**
Security has not been established for the userid. The requested static response cannot be returned.

**User response**
The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the z/OS MVS Programming: Authorized Assembler Services Guide, and in z/OS Security Server RACROUTE Macro Reference.

CICS or the ESM might have produced additional messages that contain further information.

**Module:** DFHWBSR

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Chapter 2. CICS messages 2145
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. X'safresp'
6. X'safreas'
7. X'esmresp'
8. X'esmreas'
9. hostaddr
10. clientaddr
11. tcpipservice

**Destination**

**DFHWB0365**

A client has connected to a TCPIPSERVICE defined with SSL(ATTLSAWARE) but the connection has not been secured by AT-TLS. Host IP address: hostaddr. Client IP address: clientaddr. TCPIPSERVICE: tcpipservice.

**Explanation**

The client at IP address clientaddr has tried to connect to CICS on a TCPIPSERVICE that has the option SSL(ATTLSAWARE), but CICS has detected that the connection has not been secured by AT-TLS.

**System action**

The connection is rejected with an HTTP 403 (forbidden) response.

**User response**

Ensure that the the TCPIPSERVICE port is secured by an AT-TLS policy which is active. Ensure that no clients have been exempted from using AT-TLS for the port.

**Module:**
DFHWBXN

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
6. hostaddr
7. clientaddr
8. tcpipservice

**Explanation**

The client at IP address clientaddr has tried to connect to CICS on a TCPIPSERVICE that requires a client certificate but the supplied certificate is unusable. An explanatory phrase in the message describes why:

- **was not known to the ESM**
  The certificate is not known to the external security manager (ESM).

- **was marked as UNTRUSTED**
  The certificate has been given the NOTRUST attribute by the security administrator. This indicates that the certificate is not to be used.

**System action**

The connection is rejected with an HTTP 403 (forbidden) response.

**User response**

Ensure that the client has a valid certificate that is installed in the ESM and is marked as trusted.

**Module:**
DFHWBXN

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. Value chosen from the following options:
HTTP request was received and matched URIMAP urimapname. This URIMAP had scheme(HTTPS). The request was rejected. Host IP address: hostaddr. Client IP address: clientaddr. TCPIPSERVICE: tcpipservice.

Explanation
The client at IP address clientaddr has sent in an HTTP request but the URIMAP being used has scheme(HTTPS).

System action
The connection is rejected with an HTTP 403 (forbidden) response.

User response
Change the client to send in an HTTPS request or change the URIMAP to specify scheme(HTTP).

Module:
DFHWBXN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. urimapname
6. hostaddr
7. clientaddr
8. tcpipservice

Destination
CWBO
User response
Ensure that there is a valid DFHCNV table link-edited into one of the libraries in the DFHRPL library concatenation.

Module:
DFHWBM

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. clientaddr
6. hostaddr

**Destination**
CWBO

DFHWB0723  
**date time applid tranid** The CICS Web analyzer program returned an error response. Program name: programe. RESPONSE: response. REASON: reason. Host IP address: hostaddr. Client IP address: clientaddr. | TCPIPSERVICE: tcpipservice

**Explanation**
As part of its normal processing of a request, CICS Web attach processing invokes the user replaceable analyzer to tailor the required actions. This program returns RESPONSE and REASON values. If a CICS supplied sample analyzer is being used, possible RESPONSE code values are:

0  
OK  
4  
Exception  
8  
Invalid  
12  
Disaster

possible REASON code values are:

1  
URL of incoming HTTP request is too short

2  
No "/" character in the URI of the HTTP request

3  
There is more data to be received for this request

4  
Converter program name is less than 1 or greater than 8 bytes long

5  
Alias transaction ID is less than 1 or greater than 4 bytes long

6  
Server program name is less than 1 or greater than 8 bytes long

7  
User token passed as query string data on this request is not valid

8  
URL passed on this request is not valid

Users can also architect their own response and reason code values to be returned by the analyzer, but they should use values other than those defined in the CICS supplied copybook DFHWBUCD.

If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN" in the message.

**System action**
An error response is sent to the client and processing of the request is terminated.

**User response**
Examine the RESPONSE and REASON code values in the message to determine the cause of the error.

**Module:**
DFHWBXN, DFHWBXM

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. programe
6. response
7. reason
8. hostaddr
9. clientaddr
10. Value chosen from the following options:
    1 = ,
    2 = TCPIPSERVICE:
11. tcpipservice

Destination

CWBO

DFHWB0724  date time applid tranid CICS Web attach processing detected an error linking to the codepage conversion module DFHCCNV. Host IP address: hostaddr. Client IP address: clientaddr.

Explanation

An error linking to the codepage conversion module DFHCCNV has forced CICS Web attach processing to abandon a client request. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN".

System action

A system dump is taken. An error response is sent to the client and the request is terminated. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

You may need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHWBXN, DFHWBXM

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. hostaddr
6. clientaddr
7. Value chosen from the following options:
   1 = ,
   2 = TCPIPSERVICE:
8. tcpipservice

Destination

CWBO

DFHWB0725  date time applid tranid CICS Web attach processing detected an error linking to the analyzer user replaceable module programe. Host IP address: hostaddr. Client IP address: clientaddr.

Explanation

An error linking to the analyzer user replaceable module forced CICS Web attach processing to abandon a client request. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN".

System action

An error response is sent to the client and the request is terminated. The tcpipservice remains open but unusable.

User response

Ensure that the program specified has been correctly installed and defined to CICS. If the user replaceable module (URM) has been set dynamically using CEMT or the SPI command, then ensure that the module is defined to CICS and enabled, or available in the library if autoinstall is active.

Module:
DFHWBXN, DFHWBXM

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. programe
6. hostaddr
7. clientaddr
8. Value chosen from the following options:
TCP/IP Service: DFHWB0726

**Explanation**

CICS Web attach processing cannot invoke the analyzer user replaceable module because none was specified for the TCPIPSERVICE associated with the request being processed. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN".

**System action**

An error response is sent to the client and the request is terminated. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Use CEMT SET TCPIPSERVICE to specify an analyzer name on the URM parameter. CEDA can be used to alter the stored definitions. The URM name for CICS Web TCPIPSERVICEs (those TCPIPSERVICEs which have CWXN specified as the transaction ID) MUST specify a valid analyzer program name for the URM keyword.

**Module:**
DFHWBXN, DFHWBXM

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *tranid*
5. *hostaddr*
6. *clientaddr*
7. Value chosen from the following options:
   1. *
   2. **TCPIPSERVICE:**

TCP/IP Service: DFHWB0727

**Explanation**

Web attach processing could not attach a new task with the requested alias transaction ID *tranid*. An error response is sent to the client and processing of the request is terminated with abend code AWB2. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN".

**System action:**

Ensure that the alias transaction ID supplied by the analyzer user replaceable program has been defined to CICS. Alternatively if a URIMAP is being used to supply the alias transaction, ensure that the URIMAP and the transaction have been installed.

**Module:**
DFHWBXN

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *tranid*
5. *userid*
6. *hostaddr*
7. *clientaddr*
8. *date*
9. Value chosen from the following options:
   1. *
   2. **TCPIPSERVICE:**
10. *tcpipservice*
Web attach processing detected a storage error within the Web receive module DFHWBSR. 
Host IP address: hostaddr. 
Client IP address: clientaddr. 

**Explanation**

A storage error in program DFHWBSR has forced CICS Web attach processing to abandon a client request. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN."

**System action**

An error response is sent to the client and the request is terminated.

**User response**

The most probable cause of this error is there being insufficient storage to process the client request. This failure may indicate that you need to increase the size limits of the EDSAs. EDSA storage limits are specified by the EDSALIM system initialization parameter. See the Configuring for more guidance on EDSALIM.

**Module:**
DFHWBXN, DFHWBXM

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. hostaddr
6. clientaddr
7. Value chosen from the following options:
   1= ,
   2= TCPIPSERVICE:
8. tcipservice

**Destination**

CWBO
**Explanation**

An internal error has forced CICS Web processing to abandon a client request. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN."

**System action**

A system dump is taken. An error response is sent to the client and the request is terminated. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

You may need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:**
DFHWBXN, DFHWBXM

**XMEOUT parameters/Message inserts**

1. date
d2. time
d3. applid
d4. tranid
d5. hostaddr
d6. clientaddr
d7. Value chosen from the following options:
1=,
2= TCPIPSERVICE:
d8. tcpipservice

**Destination**

CWBO

**Explanation**

An HTTP request was being received by DFHWBSR when it detected that the header data of the request exceeded the currently supported maximum of 32767 bytes. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN."

**System action**

Trace entry 0418 is issued containing the web request block. The length of the HTTP header data can be inferred from the user_data_offset field.

**User response**

Examine the input HTTP request and reduce the length of the header information to be within the allowed limit. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHWBXN, DFHWBXM

**XMEOUT parameters/Message inserts**

1. date
d2. time
d3. applid
d4. tranid
d5. hostaddr
d6. clientaddr
d7. Value chosen from the following options:
1=,
2= TCPIPSERVICE:
d8. tcpipservice

**Destination**

CWBO

**Explanation**

A sockets I/O error has forced CICS Web processing to abandon a client request. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN."

**Module:**
DFHWB0732
**System action**
The Web error program DFHWBEP is driven, but no error response can be sent to the client. The request is terminated.

**User response**
Check for any associated sockets domain error messages, which may give more details on the error which has occurred. The error may have been caused by a user terminating their Web Browser before CICS has been able to process the request. The error might also have been caused by a user sending a non-SSL HTTP request to an SSL-enabled CICS region. If the problem persists, there may be a problem with the TCP/IP network, ensure HTTPS is used to replace HTTP when sending an SSL request. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHWBXN, DFHWBXM

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. hostaddr
6. clientaddr
7. Value chosen from the following options:
   1. = ,
   2. TCPIPSERVICE:
8. tcpipservice

**Destination**
CWBO

---

**System action**
The socket for the connection is closed. No message is sent to the client because the client expects the response to be encrypted by SSL, but SSL services cannot be provided.

**User response**
If this message occurs frequently, consider raising the value of the MAXSSLTCBS system initialization parameter. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHWBXN, DFHWBXM

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. hostaddr
6. clientaddr
7. Value chosen from the following options:
   1. = ,
   2. TCPIPSERVICE:
8. tcpipservice

**Destination**
CWBO

---

**DFHWB0733**

**date time applid tranid CICS Web attach processing failed because there were no available SSL TCBs. Host IP address: hostaddr. Client IP address: clientaddr.}{ | TCPIPSERVICE: } tcpipservice

**Explanation**
A Secure Sockets Layer connection from a client with address ipaddr was received on TCPIPSERVICE(service), but there were no available TCBs to process the request.

**System action**
The socket for the connection is closed. No message is sent to the client because the client expects the response to be encrypted by SSL, but SSL services cannot be provided. The reason for the handshake
failure may be displayed in an earlier DFHSO0123 message.

**User response**

If the DFHSO0123 message indicates a CICS configuration error, correct it. Otherwise, the problem is likely to be a client error, and can be ignored. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHWWBN, DFHWWBM

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. hostaddr
6. clientaddr
7. Value chosen from the following options:
   - 1= ,
   - 2= TCPIPSERVICE:
8. tcpipservice

**Destination**

CWBO

**DFHWWB0736**  
*date* *time* *applid* *tranid* The method in the received HTTP request is not implemented by the server. Host IP address: *hostaddr*. Client IP address: *clientaddr*. TCPIPSERVICE: *tcpipservice*.

**Explanation**

As part of its normal processing of a request, CICS Web Support checks the supplied method with the HTTP version of the request and the version of HTTP supported by the server. The HTTP version supported by CICS depends on the version that the server application is running at. CICS may also report this error if the method is valid but any of the supplied headers are incorrect, as this means that CICS cannot implement the method.

**System action**

An error response is sent to the client and processing of the request is terminated.

**User response**

Correct the method in the request to one supported by the version of HTTP being used and the version that the server application is capable of running at. The version of the server is that supplied on the HTTP response. If the method is correct, check that all the headers supplied in the request are correct.

**Module:**
DFHWWBN, DFHWWBM

**DFHWWB0737**  
*date* *time* *applid* *tranid* CICS Web support has detected that the version of the incoming HTTP request is not supported by CICS. Host IP address: *hostaddr*. Client IP address: *clientaddr*. TCPIPSERVICE: *tcpipservice*.

**Explanation**

As part of its normal processing of a request, CICS Web Support checks the version of the incoming HTTP request. If it is higher than the maximum version CICS supports, or lower than the minimum, then the request is rejected. This message will be issued if an HTTP/0.9 request is received by CICS.

**System action**

An error response is sent to the client and processing of the request is terminated.

**User response**

Examine the version in the HTTP response to determine the HTTP version that is supported.

**Module:**
DFHWWBN, DFHWWBM
Web Support has detected that the incoming HTTP request has a version that is at least HTTP/1.1 but has no host header. Host IP address: hostaddr. Client IP address: clientaddr. TCPIPSERVICE: tcpipservice.

**Explanation**

As part of its normal processing of a request, CICS Web Support checks the version of the incoming HTTP request. If it is at least HTTP/1.1 and there is no host header, the request is rejected as it is not compliant.

**System action**

An error response is sent to the client and processing of the request is terminated.

**User response**

Issue the request again after adding a host header.

**Module:**
DFHWBXN, DFHWBXM

---

An invalid EXPECT header has been received. Client IP address: clientaddr. TCPIPSERVICE: tcpipservice.

**Explanation**

While processing an EXPECT header CICS has detected that the value is not 100-continue.

**System action**

The request is rejected with a HTTP/1.1 status of 417 Expectation Failed.

**User response**

Correct the HTTP/1.1 Client.

**Module:**
DFHWBXN, DFHWBXM

---

An HTTP/1.0 client has sent an EXPECT header which is not supported. Client IP address: clientaddr. TCPIPSERVICE: tcpipservice.

**Explanation**

While processing an EXPECT header CICS has detected that the client is not using HTTP version 1.1.

**System action**

The request is rejected with an HTTP/1.0 status code of 400 Bad Request.

**User response**

Correct the HTTP Client.

**Module:**
DFHWBXN, DFHWBXM
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. clientaddr
6. tcpipservice

**Destination**

CWBO

DFHWB0741  
**date time applid tranid**  
An HTTP socket receive request has timed out. Client IP address: **clientaddr**. TCPIPSERVICE: **tcpipservice**

**Explanation**

There are two possible reasons for this message:

- CICS has timed out while receiving data from the client.
- CICS has sent a 100 Continue header in response to an EXPECT: header however the request has timed out before the client has sent the message body.

**System action**

The possible causes are:

- The value of the SOCKETCLOSE parameter on the TCPIPSERVICE is too low
- The client has sent an incorrect Content-Length header
- The client has not sent the body of the request

**User response**

Possible solutions are:

- Increase the value of the SOCKETCLOSE parameter on the TCPIPSERVICE.
- Correct the HTTP Client.

**Module:**

DFHWBXN, DFHWBXM

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. clientaddr
6. tcpipservice

---

**DFHWB0742**  
**date time applid tranid**  
Conversion of HTTP header failed. Host IP address: **hostaddr**. Client IP address: **clientaddr**. TCPIPSERVICE: **tcpipservice**

**Explanation**

The conversion of the inbound HTTP header has failed and this has caused CICS Web processing to abandon the request. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as “UNKNOWN”.

**System action**

An exception entry is made in the trace table. An error response is sent to the client and the request is terminated. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

The exception trace entry may help you to determine the cause of the error. If not you may need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

**Module:**

DFHWBXN, DFHWBXM

---

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. hostaddr
6. clientaddr
7. Value chosen from the following options:
   - 1=
   - 2= TCPIPSERVICE:
8. tcpipservice
Explanation
The CICS Web characterset codepage is invalid and this has caused CICS Web processing to abandon the request. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN".

System action
An exception entry is made in the trace table. An error response is sent to the client and the request is terminated. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
The exception trace may help you to determine the cause of the error. If not you may need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHWBXN, DFHWBXM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. hostaddr
6. clientaddr
7. Value chosen from the following options:
   1= ,
   2= TCPIPSERVICE:
8. tcpipservice

Destination
CWBO

DFHWB0744 date time applid tranid The CICS Web host codepage is invalid. Host IP address: hostaddr.
Client IP address: clientaddr.
TCP/IP SERVICE: tcpipservice

Explanation
The CICS Web host codepage is invalid and this has caused CICS Web processing to abandon the request. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN".

System action
An exception entry is made in the trace table. An error response is sent to the client and the request is terminated. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
The exception trace may help you to determine the cause of the error. If not you may need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHWBXN, DFHWBXM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. hostaddr
6. clientaddr
7. Value chosen from the following options:
   1= ,
   2= TCPIPSERVICE:
8. tcpipservice

Destination
CWBO

DFHWB0745 date time applid tranid Conversion of user data failed. Host IP address: hostaddr.
Client IP address: clientaddr

Explanation
The conversion of the inbound user data has failed and this has caused CICS Web processing to abandon the request. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN".

System action
An exception entry is made in the trace table. An error response is sent to the client and the request is terminated. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
The exception trace entry may help you to determine the cause of the error. If not you may need further assistance from IBM to resolve this problem. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116. It will aid problem determination.

Module:
DFHWBXN, DFHWBXM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. hostaddr
6. clientaddr
7. Value chosen from the following options:
   1= ,
   2= TCPIPSERVICE:
8. tcpipservice

Destination
CWBO

DFHWB0746  date time applid tranid A Content-Length and Transfer-Encoding conflict has been detected.
Client IP address: clientaddr. TCPIPSERVICE: tcpipservice

Explanation
The Client has sent a request that contains a Content-Length header as well as a Transfer-Encoding header.

System action
The request is rejected.

User response
Correct the client

Module:
DFHWBXN, DFHWBXM

DFHWB0747  date time applid tranid A Content-Length and Transfer-Encoding conflict has been detected.
Client IP address: clientaddr. TCPIPSERVICE: tcpipservice

Explanation
The amount of data transmitted by a client has exceeded the limit defined on the tcpipservice.

System action
The request is rejected.

User response
There are two possible causes
- The value of the MAXDATALEN parameter on the TCPIPSERVICE is too low
- There is an error in the client

There are two possible solutions
- Increase the value of the MAXDATALEN parameter on the TCPIPSERVICE.
- Correct the HTTP Client.

Module:
DFHWBXN, DFHWBXM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. clientaddr
6. tcpipservice

Destination
CWBO

DFHWB0746  date time applid tranid The maximum length of data that can be received has been exceeded.
Client IP address: clientaddr. TCPIPSERVICE: tcpipservice

Explanation
The maximum length of data that can be received has been exceeded.

System action
The request is rejected.

User response
Correct the client

Module:
DFHWBXN, DFHWBXM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. clientaddr
6. tcpipservice

Destination
CWBO

DFHWB0748  date time applid tranid
An invalid Chunk Size header has been received.
Client IP address: clientaddr.
TCPIPSERVICE: tcpipservice

Explanation
The Client has sent a request that contains a an invalid chunk size header. Valid values are 0 - 9, A - F with a maximum of 8 characters.

System action
The request is rejected.

User response
Correct the client

Module:
DFHWBXN, DFHWBXM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. clientaddr
6. tcpipservice

Destination
CWBO

DFHWB0749  date time applid tranid
An invalid Trailer has been received.
Client IP address: clientaddr.
TCPIPSERVICE: tcpipservice

Explanation
A warning header has been received on an incoming HTTP request, by CICS Web support. The contents are written in this message for audit purposes.

System action
Processing for the request continues normally.

User response
Examine the warning to determine if action is required.

Module:
DFHWBXN

XMEOUT parameters/Message inserts
1. date
2. time

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Destination
CWBW

DFHWB0751  date time applid tranid A precondition specified by an
If-Unmodified-Since header has failed. Client IP address:
clientaddr. TCPIPSERVICE: tcpipservice.

Explanation
The request contains an If-Unmodified-Since header
and the precondition has failed.

Note:
If CICS is returning dynamic content, or is returning
static content which is a document template, it is
assumed that any If-Unmodified-Since precondition
can never be met.

System action
The request is rejected with a HTTP/1.1 412 response.

User response
None

Module:
DFHWBXN, DFHWBXM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. warnvalue
6. clientaddr
7. tcpipservice

Destination
CWBW

DFHWB0752  date time applid tranid HTTP
Warning response header
received. Warning: warnvalue

Client IP address: clientaddr
Server IP address: serveraddr.

Explanation
A warning header has been received in response to an
HTTP request sent by CICS as a client. The contents
are written in this message for audit purposes.

System action
Processing for the request continues normally.

User response
Examine the warning to determine if any action is
required.

Module:
DFHWBCL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. warnvalue
6. clientaddr
7. serveraddr

Destination
CWBW

DFHWB0753  date time applid Transaction tranid
chunked request incomplete.
Session token: X'sesstoken'.

Explanation
The transaction has terminated with an incomplete
chunked request sent by CICS as a client.

System action
End of transaction processing continues normally.

User response
Examine the warning to determine if any action is
required.

Module:
DFHWBCL
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. X'sesstoken'

Destination
CWBO

DFHXB0754 date time applid tranid An invalid Chunk has been received.
Client IP address: clientaddr.
TCP/IPSERVICE: tcpipservice

Explanation
The client has sent a chunk request but the chunk has not been terminated with the expected CRLF characters.

System action
The request is rejected.

User response
Correct the client.

Module:
DFHXBXN, DFHXBXM

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. clientaddr
6. tcpipservice

Destination
CWBO

DFHXB0756 date time applid tranid The host on the received HTTP request is invalid.
Client IP address: clientaddr.
TCP/IPSERVICE: tcpipservice

Explanation
The host on the HTTP request received by CICS is invalid.

System action
The request is rejected.

User response
Correct the client.

Module:
DFHXBXN, DFHXBXM

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. clientaddr
6. tcpipservice

Destination
CWBO

DFHXB0757 date time applid tranid A precondition specified by an If-Modified-Since header has failed.
Client IP address: clientaddr.
TCP/IPSERVICE: tcpipservice.

Explanation
The request contains an If-Modified-Since header and the precondition has failed.

Note:
CICS only checks the precondition specified by an If-Modified-Since header when delivering a static response. For a dynamic response it is assumed that the precondition is satisfied.

System action
The request is rejected with a HTTP/1.1 304 response.

User response
None required.

Module:
DFHXBXN, DFHXBXM
**XMEOUT parameters/Message inserts**

1. Date  
2. Time  
3. Applid  
4. Tranid  
5. Clientaddr  
6. Tcpipservice

**Destination**

CWBO

**DFHWB0758**  
*date* *time* *applid* *tranid*  
An attempt to access static data  
*data* has failed because the transaction user does not have READ access to the resource.  
Client IP address: *clientaddr*  
TCPIPSERVICE: *tcpipservice*.

**Explanation**

The transaction user does not have READ access to the CICS document template or zFS file identified by *data*.

**System action**

The request is rejected with a HTTP/1.1 403 response.

**User response**

Contact your security administrator to obtain authorization for the required resource for your user ID.

**Module:**  
DFHWBXN

**XMEOUT parameters/Message inserts**

1. Date  
2. Time  
3. Applid  
4. Tranid  
5. Data  
6. Clientaddr  
7. Tcpipservice

**Destination**

CWBO

**DFHWB0759**  
*date* *time* *applid* *tranid*  
An attempt to access static data  
*data* has failed because the resource is not found.  
Client IP address: *clientaddr*  
TCPIPSERVICE: *tcpipservice*.

**Explanation**

The CICS document template or zFS file identified by *data* cannot be found.

**System action**

The request is rejected with a HTTP/1.1 404 response.

**User response**

Ensure that the required resources are defined and installed.

**Module:**  
DFHWBXN

**DFHWB0760**  
*date* *time* *applid* *tranid*  
An attempt to read zFS file *filename* has failed.  
Client IP address: *clientaddr*.  
TCPIPSERVICE: *tcpipservice*.

**Explanation**

An authorized user has failed to read zFS file *filename*.

**System action**

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.  
The request is rejected with a HTTP/1.1 500 response.

**User response**

Collect the trace records and possible dumps and contact your IBM support center.
Module: DFHWBXN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. filename
6. clientaddr
7. tcpipservice

Destination CWBO

DFHWB0761 date time applid tranid An attempt to send a static response has failed due to an internal error. Client IP address: clientaddr TCPIPSERVICE: tcpipservice.

Explanation
The user has failed to send a static response due to an internal error.

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.
The request is rejected with a HTTP/1.1 500 response.

User response
Collect the trace records and possible dumps and contact your IBM support center.

Module: DFHWBXN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. statuscode
6. hostaddr
7. clientaddr
8. tcpipservice

Destination CWBO

DFHWB0762 date time applid tranid The received HTTP request specifies the OPTIONS method but cannot be handled by CICS. Status code: statuscode. Host IP address: hostaddr. Client IP address: clientaddr. TCPIPSERVICE: tcpipservice.

Explanation
As part of its normal processing of a request, CICS Web Support checks the validity of the request for the specified method. In this case the method is OPTIONS but CICS cannot process the request. The status code statuscode indicates the reason for this as follows:
- 400 : the request is not valid HTTP/1.1
- 405 : the request is valid in HTTP/1.1 terms but is not allowed by CICS for the OPTIONS method. For example CICS does not support OPTIONS for a path. CICS returns a HTTP response containing an ALLOW header stating which methods CICS supports when a path is specified.

System action
An error response with status code statuscode is sent to the client and processing of the request is terminated.

User response
The HTTP request should be corrected.

Module: DFHWBXN, DFHWBXM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. statuscode
6. hostaddr
7. clientaddr
8. tcpipservice

Destination CWBO

DFHWB0763 date time applid tranid The URIMAP associated with the HTTP request is disabled. Host
Explanation
The URIMAP associated with the HTTP request is disabled. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN".

System action
An error response is sent to the client and the request is terminated.

User response
The host and path information in the HTTP request determine which URIMAP definition is being used. Determine why that URIMAP definition has been disabled. If the URIMAP has not been disabled to prevent these HTTP requests being processed, enable the URIMAP definition.

Module:
DFHWBXN, DFHWBXM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. hostaddr
6. clientaddr

Destination
CWBO

DFHWB0764 date time applid tranid An attempt was made to use URIMAP urimap which is disabled.

Explanation
An attempt to use the specified URIMAP has failed because the URIMAP is disabled. You might receive another message that shows the failed request.

System action
Processing continues, but the current request will subsequently fail.

User response
Check the reason for the URIMAP being disabled - enable the URIMAP if necessary.

Module:

XMEOUT parameters/Message inserts
1. applid
2. urimap

Destination
CWBO

DFHWB0765I applid URIMAP urimap was not restored because its cipher list could not be installed.

Explanation
The ciphers list that was specified on URIMAP urimap was valid when the resource was installed, but invalid when CICS restarted.

System action
The URIMAP is not restored from the catalog.

User response
Investigate why the ciphers list has become invalid and replace it with a valid ciphers list. Then reinstall URIMAP urimap manually.

Module:
DFHWBRP

XMEOUT parameters/Message inserts
1. applid
2. urimap

Destination
Console

DFHWB0766I applid URIMAP urimap was not recovered because its certificate certificate is invalid.
**Explanation**
The certificate was valid when the URIMAP was installed but invalid when CICS restarted.

**System action**
CICS startup continues but the URIMAP is not restored from the catalog.

**User response**
Investigate why the certificate is invalid. Either correct the certificate or replace it with a valid one, then reinstall the URIMAP manually.

**Module:**
DFHWBRP

**XMEOUT parameters/Message inserts**
1. applid
2. urimap
3. certificate

**Destination**
Console

**Module:**
DFHWBXN, DFHWBXM

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. tranid
5. proiname
6. hostaddr
7. clientaddr
8. tcpipservice

**Explanation**
An OPTIONS handler user replaceable analyzer has been invoked. This program has failed to return normally.

Users can architect their own response and reason code values to be returned by the analyzer.

If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN" in the message.

**System action**
An error response is sent to the client and the request is terminated. The tcpipservice remains open but unusable.

**User response**
Examine the OPTIONS handler to determine the cause of the error.

**Module:**
DFHWBXN, DFHWBXM

**DFHWH0771**
Date time applid tranid The CICS options handler program returned an error response.
Program name: proiname.
Host IP address: hostaddr.
Client IP address: clientaddr.
TCPIPSERVICE: tcpipservice

**Explanation**
An error linking to the OPTIONS handler user replaceable module forced CICS Web attach processing to abandon a client request. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN".

**System action**
An error response is sent to the client and the request is terminated. The tcpipservice remains open but unusable.

**User response**
Ensure that the program specified has been correctly installed and defined to CICS. If the user replaceable module (URM) has been set dynamically using CEMT or the SPI command, then ensure that the module is defined to CICS and enabled, or available in the library if autoinstall is active.

**Module:**
DFHWBXN, DFHWBXM
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. progranme
6. hostaddr
7. clientaddr
8. tcpip service

Destination

CWBO

DFHWB0800  

**date time applid BUNDLE**

**bundlename** has successfully installed **URIMAP urimdef** as {Enabled | Disabled}.

Explanation

The CICS bundle **bundlename** has successfully installed **URIMAP urimdef**.

System action

CICS continues normally.

User response

None.

Module:

DFHWBRL

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. bundlename
5. urimdef
6. Value chosen from the following options:

   1=the definition is invalid,
   2=of an installation failure,
   3=an internal error occurred

Destination

CWBO

DFHWB0801  

**date time applid BUNDLE**

**bundlename** has failed to install **URIMAP urimdef** because {the definition is invalid / of an installation failure / an internal error occurred}.

Explanation

The CICS bundle **bundlename** has failed to install **URIMAP urimdef**. The reason for the error is also given.

System action

The BUNDLE resource is disabled and the URIMAP is not created.

User response

Investigate and correct the cause of the failure. Check for any previous messages which may give you more information about the reason for the failure as follows:

**definition is invalid**

Check for a preceding DFHCAnnnn message. For example DFHCA5501 is output if the required attribute HOST has not been specified.

**installation failure**

Check for a preceding DFHAMnnnn console message. For example DFHAM4950 is output if a URIMAP with the same name already exists.

Discard and reinstall the BUNDLE resource.

Module:

DFHWBRL

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. bundlename
5. urimdef
6. Value chosen from the following options:

   1=the definition is invalid,
   2=of an installation failure,
   3=an internal error occurred

Destination

CWBO

DFHWB0802  

**date time applid Urimap name was not specified or is too long in BUNDLE bundlename.**
**Explanation**

The CICS bundle `bundlename` has failed to install a URIMAP because the resource name was not specified or was too long.

**System action**

The BUNDLE resource is disabled and the URIMAP is not created.

**User response**

Correct the name of the urimap resource in the bundle manifest file. Discard and reinstall the BUNDLE resource.

**Module:**

DFHWBRL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. bundlename

**Destination**

CWBO

DFHWB0803 E  

**Explanation**

The CICS bundle `bundlename` has failed to install a URIMAP because the HFSFILE path is too long.

**System action**

The BUNDLE resource is disabled and the URIMAP is not created.

**User response**

Correct the HFSFILE path in the URIMAP definition file. Discard and reinstall the BUNDLE resource.

**Module:**

DFHWBRL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. bundlename
5. urimap

**Destination**

CWBO

DFHWB0804  

**Explanation**

The CICS bundle `bundlename` was unable to set URIMAP resource `urimap` as an application entry point because CICS does not support `{USAGE(CLIENT) | USAGE(ATOM)}` for this resource type.

**System action**

The BUNDLE resource is disabled and the entry point is not updated.

**User response**

Correct the USAGE in the URIMAP definition file. Discard and reinstall the BUNDLE resource.

**Module:**

DFHWBRL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. bundlename
5. urimap
6. Value chosen from the following options:
   
   1=USAGE(CLIENT),
   2=USAGE(ATOM)

**Destination**

CWBO

DFHWB0805  

**Explanation**

The CICS bundle `bundlename` was unable to set the URIMAP resource name as an entry point because the resource is already defined as

Chapter 2. CICS messages 2167
Explanation
The CICS BUNDLE `currentbundlename` has failed to define the resource as an entry point as it has already been identified as an entry point by BUNDLE `bundlename`.

System action
The BUNDLE resource is disabled and the entry point is not updated.

User response
To update the entry point, disable BUNDLE `bundlename` and enable BUNDLE `currentbundlename`.

Module:
DFHWBRL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. currentbundlename
5. resourcename
6. bundlename

Destination
CWBO

**DFHWB0806**

```
date time applid BUNDLE bundlename has {associated / disassociated} an application entry point for operation operationname of application applicationname, version majorversion.minorversion.microversion on platform platformname with URIMAP urimapname.
```

Explanation
The CICS bundle `bundlename` has successfully associated or disassociated an application entry point for operation `operationname` with the URIMAP `urimapname`.

Only one application entry point can be associated with a URIMAP resource at any time. To associate or disassociate an application entry point with the URIMAP resource you must enable or disable the CICS bundle, respectively.

System action
CICS continues normally.

User response
After associating an application entry point with the URIMAP resource make the bundle available to allow the application operation to be set with the URIMAP resource or disable the bundle to remove the association of the application entry point with the URIMAP resource.

Module:
DFHWBRL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. bundlename
5. Value chosen from the following options:
   1. associated
   2. disassociated
6. operationname
7. applicationname
8. majorversion
9. minorversion
10. microversion
11. platformname
12. urimapname

Destination
CWBO

**DFHWB0807**

```
date time applid BUNDLE bundlename has made {available / unavailable} the application entry point for URIMAP urimapname with operation operationname for application applicationname, version majorversion.minorversion.microversion on platform platformname.
```

Explanation
The CICS bundle `bundlename` has successfully made available or unavailable an application entry point for the URIMAP `urimapname`. 
When the application entry point is available CICS will set the application context on tasks using the URIMAP resource.

**System action**
CICS continues normally.

**User response**
After making the application entry point unavailable the entry point will remain associated with the URIMAP resource until the bundle is disabled.

**Module**
DFHWBRL

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. bundlename
5. Value chosen from the following options:
   1. available,
   2. unavailable
6. urimapname
7. operationname
8. applicationname
9. majorversion
10. minorversion
11. microversion
12. platformname

**Destination**
CWBO

DFHWB0808  
*date time applid BUNDLE bundlename has failed to set URIMAP urimapname as an entry point because {the URIMAP does not exist. | an internal error occurred. | the URIMAP resource name is invalid. | the URIMAP resource is already defined as an application entry point.}*

**Explanation**
The CICS bundle *bundlename* has failed to set the URIMAP *urimapname* as an entry point. The reason for the error is also given.

**System action**
The BUNDLE resource is disabled.

**User response**
Investigate and correct the cause of the failure. If updates are needed to the <modify> statement in the bundle manifest file then discard and reinstall the BUNDLE.

**Module**
DFHWBRL

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. bundlename
5. urimapname
6. Value chosen from the following options:
   1. the URIMAP does not exist.,
   2. an internal error occurred.,
   3. the URIMAP resource name is invalid.,
   4. the URIMAP resource is already defined as an application entry point.

**Destination**
CWBO

DFHWB0809  
*date time applid BUNDLE bundlename has [associated | disassociated] an application entry point for operation operationname with URIMAP urimapname.*

**Explanation**
The CICS bundle *bundlename* has successfully associated or disassociated an application entry point for operation *operationname* with the URIMAP *urimapname*.

Only one application entry point can be associated with a URIMAP resource at any time. To associate or disassociate an application entry point with the URIMAP resource you must enable or disable the CICS bundle, respectively.

**System action**
CICS continues normally.
User response

After associating an application entry point with the URIMAP resource make the bundle available to allow the application operation to be set with the URIMAP resource or disable the bundle to remove the association of the application entry point with the URIMAP resource.

Module:
DFHWBRL

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. bundlename
5. urimapname
6. Value chosen from the following options:
   1=available,
   2=unavailable
7. operationname

Destination

CWBO

DFHWB0810 date time applid BUNDLE bundlename has made the URIMAP urimapname {available / unavailable} as an application entry point for operation operationname.

Explanation

The CICS bundle bundlename has successfully the URIMAP urimapname available or unavailable as an application entry point.

When the application entry point is available CICS will set the application context on tasks using the URIMAP resource.

System action

CICS continues normally.

User response

None.

Module:
DFHWBIP

XMEOUT parameters/Message inserts

1. applid

Destination

Console

DFHWB1008 applid CICS Web environment initialization is complete.

Explanation

Module DFHWBIP has been invoked to initialize the CICS Web 3270 environment.

System action

Processing continues.

User response

None.

Module:
DFHWBIP

XMEOUT parameters/Message inserts

1. applid

Destination

Console

DFHWB1008 applid CICS Web environment initialization is complete.

Explanation

Module DFHWBIP has been invoked to initialize the CICS Web 3270 environment.

System action

Processing continues.
User response
None.

Module:
DFHWBIP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHWB1009 applid CICS Web environment initialization failed. Reason Code: X'rc'.

Explanation
The CICS Web 3270 environment initialization failed with reason code rc.

System action
CICS initialization continues. Subsequent calls to the components of the CICS Web environment may fail.

User response
Use the reason code rc to determine why initialization failed. The possible reasons are:

1. Storage for the Web anchor block could not be obtained.

2. Load for module DFHWBST failed.

3. Load for module DFHWBTC failed.

4. Storage for the State Manager anchor block could not be obtained.

5. The creation of the State Token Directory failed.

6. The subpool required for state management could not be added.

7. The subpool required for HTTP buffers could not be added.

8. The addition of the WBST lock failed.


Reason codes 1 to 9 originate in DFHWBIP. Reason code A originates from DFHSIJ1.

Module:
DFHWBIP, DFHSIJ1

XMEOUT parameters/Message inserts
1. applid
2. X'rc'

Destination
Console

DFHWB1020 date time applid CICS Web State Manager could not find state data for state token stoken for a {destroy | retrieve | store} request. { | TCPIPSERVICE: } tcpipservice

Explanation
The CICS Web State Manager could not find the state data for the state token stoken or the supplied state token stoken does not exist.

System action
The requested state data cannot be destroyed, updated or retrieved by the Web State Manager. An exception trace entry is made in the trace table.

User response
Ensure that the supplied state token stoken is correct. On a busy CICS region, the most likely cause of this error is that the state data has been discarded by the Web garbage collection process before the Web state manager could access it. Check that the system initialization WEBDELAY parameters are appropriate values. See the Configuring for guidance on setting the values of the Web garbage collection interval and the Web terminal timeout interval.

Module:
DFHWBST

XMEOUT parameters/Message inserts
1. date
2. time
3. **applid**
4. **stoken**
5. Value chosen from the following options:
   - 1=destroy
   - 2=retrieve
   - 3=store
6. Value chosen from the following options:
   - 1= ,
   - 2= TCPIPSERVICE:
7. **tcpipservice**

**Destination**

**CWBO**

**DFHWB1021**

**date time applid**

CICS Web State Manager could not find state data for state token **stoken** in order to perform the {initialize partnership | make partnership | break partnership | trigger partner | wait for partner | query partner | terminate partnership} request for task number **taskid**, CICS unit of work id **X'cuowid'**.

**Explanation**

The CICS Web State Manager could not find the state data for the state token **stoken** because the supplied state token **stoken** does not exist. The running task is task number **taskid** and the associated CICS unit of work id is **cuowid**.

**System action**

The Web State Manager cannot therefore perform the requested partnership function for the running task. An exception trace entry is made in the trace table.

**User response**

Ensure that the supplied state token **stoken** is correct. On a busy CICS region, the most likely cause of this error is that the state data has been discarded by the Web garbage collection process before the Web State Manager could access it for the running task. Check that the system initialization **WEBDELAY** parameters are appropriate values. See the Configuring for guidance on setting the values of the Web garbage collection interval and the Web terminal timeout interval.

---

**Module:**

DFHWBST

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **stoken**
5. Value chosen from the following options:
   - 1=initialize partnership,
   - 2=make partnership,
   - 3=break partnership,
   - 4=trigger partner,
   - 5=wait for partner,
   - 6=query partner,
   - 7=terminate partnership
6. **taskid**
7. **X'cuowid'**
8. Value chosen from the following options:
   - 1= ,
   - 2= TCPIPSERVICE:
9. **tcpipservice**

**Destination**

**CWBO**

**DFHWB1100 E**

**date time applid**

The CICS Web Interface received data from the user application that is longer than expected.

**Explanation**

The environment variables program has received data from a user application. However, the data received was longer than expected.

**System action**

Exception trace point 4623 is written. The environment variables program abnormally terminates with abend code AWB7.

**User response**

Examine the data sent to CICS from the application program.
**Module:**
DFHWBENV

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid

**Destination**
CWBO and Console

**DFHWB1200**

(date time applid tranid)

13. Value chosen from the following options:
   1. ,
   2. TCPIPSERVICE:

14. tcpipservice

**Destination**
CWBO

**Explanation**
As part of its normal processing of a request, Web attach processing invokes the user replaceable analyzer to tailor the required actions. This program is passed the length of the user data part of the HTTP request in parameter WBRA_USER_DATA_LENGTH, which it can modify. However, the modified value is greater than the maximum allowable value which represents the available space in the data buffer.

**System action**
An error response is sent to the client and processing of the request is terminated.

**User response**
Modify the analyzer program so that it does not set the parameter WBRA_USER_DATA_LENGTH to be greater than the maximum. The sum of the data offset and the data length should not exceed the buffer length.

**Module:**
DFHWBXN, DFHWBXM

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid

**Chapter 2. CICS messages 2173**
4. tranid

**Destination**
CWBO and Terminal End User

**DFHWB1551**  
*date time applid* The CWBC Transaction is no longer used to manage CICS Web resources.

**Explanation**
An attempt has been made to run the CICS-supplied transaction CWBC. This transaction is no longer used to manage CICS Web resources.

**System action**
None. Processing continues.

**User response**
Refer to the CICS Internet and External Interfaces Guide, and the Defining resources for details of how to manage CICS Web resources. See External Interfaces Guide and Working with IBM to solve your problem for guidance on how to proceed.

**Module:**  
DFHWBC01

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*

**Destination**
CWBO

**DFHWB1560**  
*date time applid userid* URIMAP urimap has been created.

**Explanation**
This is an audit log message indicating that URIMAP urimap has been added to the system using the INSTALL command.

**System action**
The system continues normally.

**User response**
None.

**Module:**
DFHWB1560

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *userid*
5. *urimap*

**Destination**
CWBO

**DFHWB1570**  
*date time applid userid* URIMAP urimap was successfully discarded.

**Explanation**
This is an audit log message indicating that URIMAP urimap has been removed from the system using the DISCARD command.

**System action**
The system continues normally.

**User response**
None.

**Module:**
DFHWBUR

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *userid*
5. *urimap*

**Destination**
CWBO

**DFHWB1580**  
*date time applid userid* The availability status of URIMAP urimap has been set to available | been set to unavailable | reverted to none following a change to an application entry point.
**Explanation**

This is an audit log message indicating the availability of URIMAP urimap. The availability can be modified by the application entry point associated with the URIMAP resource.

**System action**

The system continues normally.

**User response**

None.

**Module:** DFHWBUR

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. userid
5. urimap
6. Value chosen from the following options:
   1. been set to available,
   2. been set to unavailable,
   3. reverted to none

**Destination**

CWBO

DFHWB1581  

date time applid userid tranid An application entry point for operation operationname of application applicationname, version majorversion.minorversion.microversion, on platform platformname has been set disabled and unavailable because URIMAP urimapname has been deleted.

**Explanation**

An application entry point for operationname of application applicationname version majorversion.minorversion.microversion on platform platformname has been set disabled and unavailable because the URIMAP urimapname has been deleted.

**System action**

CICS continues normally.

**User response**

To make the application entry point available again first reinstall the URIMAP, then enable the bundle and set it available.

**Module:** DFHWBUR

**Destination**

CSPL

DFHWB1582  

date time applid userid tranid An application entry point for operation operationname has been set disabled and unavailable because URIMAP urimapname has been deleted.

**Explanation**

An application entry point for operationname has been set disabled and unavailable because the URIMAP urimapname has been deleted.

**System action**

CICS continues normally.

**User response**

To make the application entry point available again first reinstall the URIMAP, then enable the bundle and set it available.

**Module:**
DFHWBUR

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. userid

5. tranid
6. operationname
7. urimapname

Destination
CSPL

DFHWUnnnn messages

DFHWU0001E applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code.

Alternatively:
• Unexpected data has been input,
• Storage has been overwritten, or
• There has been a program check within a user program.

The code aaa is, if applicable, a 3-digit hexadecimal MVS system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The 4-digit code bbbb, which follows aaa, is a user abend code produced either by CICS or by another product on the user’s system.

If X'offset' contains the value X'FFFF', then module modname was in control at the time of the abend, but the program status word (PSW) was not addressing this module.

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer.

Look up the MVS code aaa, if there is one, in the relevant MVS codes manual which is detailed in the book list in front of this manual.

If the modname insert contains the value ?????, then CICS was unable to determine which module has abnormally terminated. In this case, examine the system dump to determine which area of code has caused the program check.

The user should examine other messages to determine what the module which issued this message was doing at the time the abend occurred. From these messages they can deduce which product has produced the abend code bbbb. If bbbb is identified as a CICS code, it may be either alphameric or numeric.

• If the CICS code is alphameric (for example AKEA) then it is a CICS transaction abend code.

• If the CICS code is numeric (for example 1310), it refers to a CICS message (DFHTS1310 in our example).

If the user abend code is from another product (for example, IMS), refer to the appropriate messages and codes manual to determine the cause of the abend.

The entries in the appropriate manuals will give the user guidance regarding the nature of the error, and may also give some guidance concerning the appropriate user response.

Note:
The program check may have occurred in a user program. If this is the case, the program check is usually followed by an ASRA or an ASRB transaction abend and a transaction dump.

If you want to suppress system dumps that precede ASRA and ASRB abends, you must specify this on an entry in the dump table, using either CEMT or an EXEC CICS command. Further guidance on suppressing system dumps can be found in Configuring.

You may need further assistance from IBM to resolve this problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
A severe error (code X'code') has occurred in module modname.

An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

A possible loop has been detected at offset X'offset' in module modname.

A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname in the message is terminated and CICS continues.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHWUIN1, DFHWURP

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But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHWUIN1

**XMEOUT parameters/Message inserts**
1. *applid*
2. *X'offset'*
3. *modname*

**Destination**
Console

**DFHWU0910** | *applid* Instruction address *X'aaaaaaaa'* , *offset* *X'offset'* in CSECT *csect*.

**Explanation**
The CICSPlex SM recovery routine has been entered as a result of an abend in a CICS system.

This message describes the location of an abend that occurred in CICSPlex SM, where:

- **applid**
  - is the VTAM application ID of the CICS system that abended.

- **aaaaaaaa**
  - is the address of the instruction that caused the abend.

- **offset**
  - is the offset of the instruction in the CSECT that caused the abend.

- **csect**
  - is the name of the CSECT that contains the instruction that caused the abend.

**System action**
The recovery routine attempts to capture and format any relevant diagnostic information. All available information is presented in the DFHWU09nn messages that follow this message.

**User response**
Collect as much of the following information as possible, and contact your IBM support center.

- Job log for the job that received the abend. If the job log is not available, get the system log.
- EYULOG file. If a CMAS abended, get the EYULOG file for that CMAS. If a CICS system abended, get the EYULOG file for the CMAS to which the CICS system was connected.
- Formatted transaction dump, if one was taken.
- Unformatted SVC dump, if one was taken.
- AUXTRACE file, if available. If a CICS system abended and AUXTRACE was not active in that CICS system, get the AUXTRACE file from the CMAS to which the CICS system was connected.

**Module:**
DFHWUIPG

**XMEOUT parameters/Message inserts**
1. *applid*
2. *X'aaaaaaa'*
3. *X'offset'*
4. *csect*

**Destination**
Console

**DFHWU0911** | *applid* EC Mode PSW at time of abend: *PSW1 PSW2 PSW3 PSW4*

**Explanation**
This message provides information about the state of the PSW at the time of an abend.

**System action**
The recovery routine continues to format diagnostic information.

**User response**
Follow the instructions in message DFHWU0910.

**Module:**
DFHWUIPG
**XMEOUT parameters/Message inserts**

1. `applid`
2. `PSW1`
3. `PSW2`
4. `PSW3`
5. `PSW4`

**Destination**

Console

`DFHWU0912 I applid Execution key: key, abend reason code: X'reason'`

**Explanation**

This message provides information about the execution key at the time of an abend, and the abend reason code where:

- `applid` is the VTAM application ID of the CICS system that abended.
- `key` is the storage key which the task was executing in at the time of the abend.
- `reason` is the reason code provided by the abend.

**System action**

The recovery routine continues to format diagnostic information.

**User response**

Follow the instructions in message DFHWU0910.

**Module:**

DFHWUIPG

**XMEOUT parameters/Message inserts**

1. `applid`
2. `mode`
3. `X'bear'`

**Destination**

Console

`DFHWU0914 I applid Registers R1-R2: REG1VAL REG2VAL`

**Explanation**

The name of each register that was formatted is displayed along with its content.

**System action**

The recovery routine continues to format diagnostic information.

**User response**

Follow the instructions in message DFHWU0910.

**Module:**

DFHWUIPG

**XMEOUT parameters/Message inserts**

1. `applid`
2. `R1`
3. `R2`
4. `REG1VAL`
5. `REG2VAL`
Destination
Console
DFHWU0915 I applid Branch to low address; using R14 for PSW.

Explanation
A calling program attempted to branch to an invalid address. The CICSPlex SM routine uses the address in register 14 in an attempt to format any relevant diagnostic information.

System action
The recovery routine continues to format diagnostic information.

User response
Follow the instructions in message DFHWU0910.

Module:
DFHWU0IPG

XMEOUT parameters/Message inserts
1. applid

Destination
Console
DFHWU0916 I applid Storage around PSW at time of abend:

Explanation
The contents of storage at the location of the abend have been formatted. This message serves as a header for the content records that follow.

System action
The recovery routine continues to format diagnostic information. The contents of storage are displayed in the DFHWU0917 messages immediately following this header.

User response
Follow the instructions in message DFHWU0910.

Module:
DFHWU0IPG

XMEOUT parameters/Message inserts
1. applid
2. offset
3. location
4. data1
5. data2
6. data3
7. data4

Destination
Console
DFHWU0917 I applid offset location data1 data2 data3 data4

Explanation
The contents of storage at each of the following locations is displayed:

-0010
  16 bytes before the PSW
+0000
  Start of the PSW
+0010
  16 bytes after the PSW

System action
The recovery routine continues to format diagnostic information.

User response
Follow the instructions in message DFHWU0910.

Module:
DFHWU0IPG

XMEOUT parameters/Message inserts
1. applid

Destination
Console
DFHWU0918 I applid Abend while dumping storage; PSW probably not valid.

Explanation
While attempting to capture and format diagnostic information, the CICSPlex SM recovery routine encountered addresses that could not be accessed.
System action
The recovery routine continues to format diagnostic information.

User response
Follow the instructions in message DFHWU0910.

Module: DFHWUIPG

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHWU0919 I applid Transaction: tran. Task: task.

Explanation
This message provides information about the currently executing transaction and task at the time of an abend, where:

applid
is the VTAM application ID of the CICS system that abended.

tran
is the CICS transaction ID.

task
is the CICS task number.

System action
The recovery routine continues to format diagnostic information.

User response
Follow the instructions in message DFHWU0910.

Module: DFHWUIPG

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHWU0920 I applid Abend recovery completed successfully.

Explanation
The CICSPlex SM recovery routine has successfully completed processing the abend reported in the previous DFHWU09xx messages.

System action
None.

User response
Follow the instructions in message DFHWU0910.

Module: DFHWUIPG

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHWU1000 date time applid The userid userid attempted to access a result cache token belonging to userid cacheuser.

Explanation
A user has attempted to access a cache token that belongs to another user.

System action
The system continues normally.

User response
None.

Module: DFHWURSM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. cacheuser

**Destination**
- CSMT

**DFHWU2100** applid Unable to link to program DFHWURP.

**Explanation**
The CICS management client interface recovery program, DFHWURP, is unavailable. CICS cannot find DFHWURP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

**System action**
CICS terminates abnormally with a dump.

**User response**
To correct this error, place DFHWURP in a partitioned data set in the DFHRPL DD statement.

**Module:**
DFHWUIN2

**XMEOUT** parameters/Message inserts
1. applid

**Destination**
- Console

**DFHWU4001** The URI specified contains a PATH that exceeds the maximum allowable length of 256 bytes.

**Explanation**
An error occurred in the CICS management client interface. The request cannot be processed. The URI specified contains a PATH that exceeds the maximum allowable length of 256 bytes.

**System action**
The system stops processing the request.

**User response**
Specify a URI with the correct PATH length and resubmit the request.

**Module:**
DFHWUIPG

**DFHWU4002** The body of the HTTP request was not specified.

**Explanation**
An error has occurred in the CICS management client interface. The request cannot be processed. The body of the HTTP request was not specified.

**System action**
The system stops processing the request.

**User response**
Specify the body of the HTTP request and resubmit the request.

**Module:**
DFHWUIPG

**DFHWU4003** An unknown query parameter was specified in the URI.

**name:** parmname  **value:** parmvalue

**Explanation**
An error has occurred in the CICS management client interface. The request cannot be processed. An unknown query parameter was specified in the URI. The system stops processing the request.

**System action:**

**User response**
Specify a valid query parameter name and value and resubmit the request.

**Module:**
DFHWUIPG

**DFHWU4005** The result cache token was missing from the URI.

**Explanation**
An error has occurred in the CICS management client interface. The request cannot be processed. The result cache token was missing from the URI.

**System action**
The system stops processing the request.

**User response**
Add the result cache token to the URI and resubmit the request.

**Module:**
DFHWU4006  The resource name was missing from the URI.

Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. The resource name was missing from the URI.

System action
The system stops processing the request.

User response
Add the resource name to the URI and resubmit the request.

Module: DFHWUIPG

DFHWU4007  The body of the HTTP request was not specified correctly.

Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. The body of the HTTP request was not specified correctly.

System action
The system stops processing the request.

User response
Correct the body of the HTTP request and resubmit the request.

Module: DFHWUIPG

DFHWU4008  An action was specified in the HTTP body that was not valid. ACTION value: action

Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. An action was specified in the HTTP body that was not valid. "ACTION" value is the name of the invalid action.

System action
The system stops processing the request.

User response
Specify a valid action in the HTTP body and resubmit the request.

Module: DFHWUIPG

DFHWU4009  The record index was specified for a non-cached result. RECORDINDEX value: recordindex

Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. The record index was specified for a non-cached result. "RECORDINDEX" is the specified record index.

System action
The system stops processing the request.

User response
Remove the record index from the URI and resubmit the request.

Module: DFHWUIPG

DFHWU4010  The record index specified in the URI was not valid. RECORDINDEX value: recordindex

Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. The record index specified in the URI was not valid. "RECORDINDEX" is the specified record index.

System action
The system stops processing the request.

User response
Correct the record index in the URI and resubmit the request.

Module: DFHWUIPG

DFHWU4011  The record count specified in the URI was not valid. RECORDCOUNT value: recordcount
Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. The record count specified in the URI was not valid. "RECORDCOUNT" is the specified record count.

System action
The system stops processing the request.

User response
Specify a correct record count in the URI and resubmit the request.

Module:
DFHWUIPG

DFHWU4012 Extraneous data was detected at the end of the URI. EXTRADATA value: data

Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. Extraneous data was detected at the end of the URI. "EXTRADATA" is the specified extra data.

System action
The system stops processing the request.

User response
Remove the extraneous data from the end of the URI and resubmit the request.

Module:
DFHWUIPG

DFHWU4013 Multiple CRITERIA expressions were found in the URI.

Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. Multiple CRITERIA expressions were found in the URI.

System action
The system stops processing the request.

User response
Remove the multiple CRITERIA expressions from the URI and resubmit the request.

Module:
DFHWUIPG

DFHWU4014 Multiple PARAMETER expressions were found in the URI.

Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. Multiple PARAMETER expressions were found in the URI.

System action
The system stops processing the request.

User response
Remove the multiple PARAMETER expressions from the URI and resubmit the request.

Module:
DFHWUIPG

DFHWU4016 Multiple NODISCARD expressions were found in the URI.

Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. Multiple NODISCARD expressions were found in the URI.

System action
The system stops processing the request.

User response
Remove the multiple NODISCARD expressions from the URI and resubmit the request.

Module:
DFHWUIPG

DFHWU4017 NODISCARD is only valid for HTTP GET requests.

Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. NODISCARD is only valid for HTTP GET requests.

System action
The system stops processing the request.
User response
Remove the NODISCARD expressions from the URI and resubmit the request.

Module: DFHWUIPG

DFHWU4018 CRITERIA is not valid for HTTP POST requests.

Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. CRITERIA is not valid for HTTP POST requests.

System action
The system stops processing the request.

User response
Remove the CRITERIA expressions from the URI and resubmit the request.

Module: DFHWUIPG

DFHWU4019 PARAMETER is not valid for HTTP POST requests.

Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. PARAMETER is not valid for HTTP POST requests.

System action
The system stops processing the request.

User response
Remove the PARAMETER expressions from the URI and resubmit the request.

Module: DFHWUIPG

DFHWU4020 Multiple SUMMONLY expressions were found in the URI.

Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. Multiple SUMMONLY expressions were found in the URI.

System action
The system stops processing the request.

User response
Remove the multiple SUMMONLY expressions from the URI and resubmit the request.

Module: DFHWUIPG

DFHWU4021 CRITERIA is not valid for result cache operations. CRITERIA value: criteria

Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. CRITERIA is not valid for result cache operations. The value specified for the CRITERIA expression is criteria.

System action
The system stops processing the request.

User response
Remove the CRITERIA expression from the URI and resubmit the request.

Module: DFHWUIPG

DFHWU4022 PARAMETER is not valid for result cache operations. PARAMETER value: parameter

Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. Using a PARAMETER expression is not valid for result cache operations. The value specified for the PARAMETER expression is parameter.

System action
The system stops processing the request.

User response
Remove the PARAMETER expression from the URI and resubmit the request.

Module: DFHWUIPG

DFHWU4025 A specified attribute was not valid for this resource.
Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. A specified attribute was not valid for this resource.

System action
The system stops processing the request.

User response
Supply an appropriate attribute and resubmit the request.

Module:
DFHWUIPG

DFHWU4026  The DEFVER attribute was not specified or was specified with a value of zero.

Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. The DEFVER attribute was not specified or was specified with a value of zero.

System action
The system stops processing the request.

User response
Supply a valid DEFVER attribute and resubmit the request.

Module:
DFHWUIPG

DFHWU4027  A value of a specified attribute was out-of-range or not valid.

Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. A value of a specified attribute was out-of-range or not valid.

System action
The system stops processing the request.

User response
Supply a valid attribute and resubmit the request.

Module:
DFHWUIPG

DFHWU4029  The result cache token specified exceeded its maximum allowable length. CACHETOKEN value: cachetoken

Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. The result cache token specified exceeded its maximum allowable length. The cachetoken is the value specified for the cache token.

System action
The system stops processing the request.

User response
Supply a cache token value of the correct length and resubmit the request.

Module:
DFHWUIPG

DFHWU4030  The resource name was not specified in the URI.

Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. The resource name was not specified in the URI.

System action
The system stops processing the request.

User response
Specify the resource name in the URI and resubmit the request.

Module:
DFHWUIPG

DFHWU4031  Multiple ORDERBY expressions were found in the URI.

Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. Multiple ORDERBY expressions were found in the URI.

System action
The system stops processing the request.
User response
Remove the multiple ORDERBY expressions in the URI and resubmit the request.

Module:
DFHWUIPG

DFHWU4032 ORDERBY is only valid for HTTP GET requests.

Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. Use of an ORDERBY expression is only valid for HTTP GET requests.

System action
The system stops processing the request.

User response
Remove the ORDERBY expression on this request and resubmit.

Module:
DFHWUIPG

DFHWU4033 Multiple OVERRIDEWARNINGCOUNT expressions were found in the URI.

Explanation
An error has occurred in the CICS management client interface. The request cannot be processed. Multiple OVERRIDEWARNINGCOUNT expressions were found in the URI.

System action
The system stops processing the request.

User response
Remove the multiple OVERRIDEWARNINGCOUNT expressions in the URI and resubmit the request.

Module:
DFHWUIPG

DFHWU4300 The result cache token specified in the URI does not belong to the user who made the request.

Explanation
An error has occurred in the CICS management client interface. The result cache token specified in the URI does not belong to the user who made the request.

System action
Access to the specified result cache has been denied.

User response
Respecify the request with the correct result cache token.

Module:
DFHWUIPG

DFHWU4301 It is not possible to run requests in this environment. This region is not configured correctly.

Explanation
An error has occurred in the CICS management client interface. It is not possible to run requests in this environment. This region is not configured correctly. The CICS management client interface should only be started on either a CICSPlex SM Web User Interface or a single server (SMSS) region.

System action:

User response
Ensure that you are using the correct environment for your requests.

Module:
DFHWUIPG

DFHWU4302 The requested record count will exceed the current default warning count limit. current_record_count value: currcount default_warning_count value: warncount override_warning_count_allowed value: override_warning_count_allowed

Explanation
An error has occurred in the CICS management client interface. The request has been denied as it exceeded a resource limit. The requested record count will exceed the current default warning count limit.

System action
The system stops processing the request.
User response
Respecify the request to reduce the number of records returned or specify the OVERRIDEWARNINGCOUNT URI query parameter if override_warning_count_allowed is set to "YES".

Module: DFHWU1JP

DFHWU4303 An error has occurred in the CICS management client interface. The request cannot be processed.

Explanation
An error has occurred in the CICS management client interface.

System action
Access to the CICS management client interface has been denied.

User response
See the full message description for further details.

Module: DFHWU1JP

DFHWU4400 The resource specified in the URI could not be found.

Explanation
An error has occurred in the CICS management client interface. The resource specified in the URI could not be found. The resource type is not supported by this version of the CICS management client interface.

System action
The system stops processing the request.

User response
Check that the specified result cache record index is correct.

Module: DFHWU1JP

DFHWU4401 The result cache record specified could not be found.

Explanation
An error has occurred in the CICS management client interface. The result cache record specified could not be found because the result cache record index was out of range.

System action
The system stops processing the request.

User response
Check that the specified result cache record index is correct.

Module: DFHWU1JP

DFHWU4402 The result cache specified could not be found.

Explanation
An error has occurred in the CICS management client interface. The result cache specified could not be found because the result cache token could not be found.

System action
The system stops processing the request.

User response
Check that the specified result cache token is correct.

Module: DFHWU1JP

DFHWU4500 A method has been specified that is not valid for the URI sent to the CICS management client interface. METHOD value: method

Explanation
An error has occurred in the CICS management client interface. The specified HTTP method is not allowed for the URI. The method is not valid for the URI sent to the CICS management client interface.

System action
The system stops processing the request.

User response
Check that you have specified a valid HTTP method and resubmit the request.

Module: DFHWU1JP
**DFHWU5000** There was insufficient GCDSA storage available to complete the request.

**Explaination**
An internal error has occurred in the CICS management client interface. There was insufficient GCDSA storage available to complete the request.

**System action**
The system stops processing the request.

**User response**
Contact your system administrator.

**Module:**
DFHWUIPG

**DFHWU5001** The CICS management client interface server has gone Short On Storage BELOW the bar.

**Explaination**
An internal error has occurred in the CICS management client interface. The CICS management client interface server has gone short-on-storage below the bar.

**System action**
The system stops processing the request.

**User response**
Contact your system administrator.

**Module:**
DFHWUIPG

**DFHXAnnnn messages**

**DFHXA6521I** applid CICS shutdown initiated by CEBT event

**Explaination**
This is an informational message issued from the CICS TCB.

**System action**
CICS terminates normally.

**User response**
None.

**Module:**
DFHXRCI

**XMEOUT parameters/Message inserts**

1. applid

**DFHXA6526I** applid MESSAGE RECEIVED FOR UNSUPPORTED QUEUE X'queue'.

**Explaination**
This message is issued from the CAVM TCB. A tracking message has been received for a queue with hexadecimal name X'queue'. However this queue is not recognized by CICS.

**System action**
CICS processing continues, but tracking messages for queue X'queue' are ignored.

**User response**
Check that the active CICS system and the alternate CICS system are at the same functional level with respect to XRF.
If both CICS systems are at the same level, check why the active CICS system has written data to the alternate system.

Ensure that the queue name has not been corrupted.

**Module:**
DFHXRB

**Destination**
Console

**DFHXA6528I** applid Unable to link to program progname

**Explanation**
This message is issued from the CICS TCB. CICS is unable to link to program progname.

**System action**
CICS terminates abnormally with a system dump and abend code 0210.

**User response**
Examine the dump to determine why CICS was unable to link to program progname.

Ensure that the named program is not missing from the data sets concatenated in the DFHRPL DD statement. If progname is missing, obtain a copy of the program and include it in the library. In addition, ensure that enough storage is available for the dynamic storage areas.

**Module:**
DFHXRE

**XMEOUT parameters/Message inserts**

1. applid

2. progname

**Destination**
Console

**DFHXA6540I** XRF HAS FAILED. ERROR NUMBER nn ON XRF MESSAGE DATA SET IN CONTROL INTERVAL WITH RBA HEX'xx'.

**Explanation**
The XRF message manager has encountered a problem with the contents of the given control interval in the message data set. The message includes an error number nn which can take one of the following values:

01
The CI does not contain an XRF message manager control record.

02
The XRF message control record contains a cycle number less than that of the current read cycle.

03
The XRF message manager did not find a message record boundary where it expected one.

04
There is an XRF message sequence number error.

05
The CIDF is invalid (for example, the free area length is negative).

06
The length in the RDF is less than the length of a message record header, or is inconsistent with the data length in the message record header.
07
The end of the record lies outside the data area defined by the data length field of the CIDF.

System action
Surveillance by the alternate system ceases.

User response
Check that the active and alternate systems are using the same pair of data sets for XRF surveillance. If they are, this is almost certainly a CICS error affecting either the alternate system, the active system, or both.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHWMRD

Destination
Console

DFXA6541I XRF HAS FAILED. THE XRF MESSAGE READER IN THE ALTERNATE SYSTEM HAS FALLEN TOO FAR BEHIND.

Explanation
The alternate system has been unable to keep up with the messages generated by the active CICS system. Its read position in the wrap-round message data set has been 'lapped' by the active system.

System action
Surveillance by the alternate system ceases.

User response
Try to determine and correct the reason for the delay to the alternate system. It may be that the message data set is too small to allow adequate buffering, or the message data set has been reserved by the active CEC - not necessarily by the active CICS.

Module: DFHWMRD

Destination
Console

DFXA6561I applid WHEN jesno jobname ENDS REPLY JOB OR WHEN CEC sid HAS FAILED REPLY CEC.

Explanation
During a takeover attempt, the issuing CICS system was unable to determine whether job jobname, running on a different CEC, has terminated. This is for one of the following reasons:

• CICS was unable to issue a system operator command under program control to cancel the named job. In this case, message DFXA6560, DFXA6569 or DFXA6570 has been produced.

• CICS has either successfully issued a cancel command, or job jobname is a failing DBCTL subsystem, but the job still appears to be running after the time period specified by the initialization parameter JESDI.

If jobname is the active CICS. Takeover cannot continue until jobname has ended. If jobname is a DBCTL subsystem, an alternate DBCTL cannot be started until jobname has ended.

System action
The system waits for a reply. In the meanwhile, the issuing CICS system continues processing to detect termination of the job.
If termination is detected while the reply is still outstanding, this message is deleted and message DFHXA6564 is displayed. In this case, a reply is no longer required.

If the reply is 'JOB', then processing continues as if CICS had detected the termination itself.

This also happens if the reply is 'CEC', but in addition an internal record is created indicating that the CEC is inoperative at this time. Other alternate CICS which have issued this message for jobs executing on the CEC specified, and which are still waiting for a reply, will detect the internal record of the failed CEC. Having done so they delete their outstanding replies and issue message DFHXA6563.

User response
The operator should either:-

- Ensure that job jobname with JES number jesno terminates, and then reply 'JOB', or
- Ensure that the CEC with MVS system identifier sid is inoperative at this time, for example by selecting SYSTEM RESET on that CEC, and then reply 'CEC'.

No action is necessary if at any time CICS deletes this message, as described above.

Module: DFHWTI

Destination
Console
DFHXA6563I applid jesno jobname ENDED DUE TO FAILURE OF CEC sid.

Explanation
During takeover, the alternate CICS has detected that the CEC with MVS system identifier sid has failed and therefore that the active CICS job with job name jobname and JES job number jesno is regarded to have ended.

System action
The alternate CICS continues with its takeover processing.

User response
None.

Module: DFHWTI

Destination
Console
DFHXA6566I applid modname NOT LINK-EDITED REENTERABLE.

Explanation
Module modname, the CLT or RST currently in use, was found not to have been link-edited with the reenterable module attribute.

The initialization option CLT=xx or RST=xx specifies the suffix of the CLT or RST currently in use by this alternate CICS.

System action
Further messages are issued which describe the action taken by CICS.

User response
The appropriate response is indicated by subsequent messages.

Module: DFHWTI

Destination
Console
DFHXA6567I applid APPLID applid2 NOT FOUND IN modname.
Explanation

Module *modname*, the CLT or RST currently in use by this alternate CICS, was found not to contain the APPLID *applid2*.

System action

Further messages are issued which describe the action taken by CICS.

User response

The appropriate response is indicated by subsequent messages.

Module:
DFHWTI

Destination
Console
DFHXA6568I *applid* JOBNAME *jobname* NOT FOUND IN *modname*.

Explanation

Module *modname* is either a CLT or an RST.

If the module is a CLT, it was found not to contain the job name *jobname* associated with the APPLID of this alternate CICS.

If the module is an RST, it was found not to contain the job name *jobname* associated with the DBCTL subsystem identified in the message.

*jobname* is the job name which the alternate CICS would have used to cancel the active CICS job or DBCTL job during a takeover.

System action

Further messages are issued which describe the action taken by CICS.

User response

The appropriate response is indicated by subsequent messages.

Module:
DFHWTI

Destination
Console
DFHXA6569I *applid* MVS SYSTEM IDENTIFIER *sid* NOT FOUND IN DFHCLTxx.

Explanation

The CLT currently in use was found not to contain the specified MVS system identifier *sid*, which identifies the CEC on which the active CICS was executing.

The initialization option CLT=xx specifies the suffix of the CLT currently in use by this alternate CICS.

System action

Further messages are issued by the alternate CICS to describe the action taken.

User response

The appropriate response is indicated by subsequent messages.

Module:
DFHWTI

Destination
Console
DFHXA6570I *applid* JES SUBSYSTEM NAME *jesname* NOT FOUND IN DFHCLTxx FOR MVS SYSTEM *sid*.

Explanation

The CLT currently in use does not contain the JES subsystem name *jesname* associated with the MVS system *sid* of the CEC on which the active CICS was executing.

The initialization option CLT=xx specifies the suffix of the CLT currently in use by this alternate CICS.

System action

Further messages are issued by the alternate CICS to describe the action taken.

User response

The appropriate response is indicated by subsequent messages.

Module:
DFHWTI

Destination
Console
DFHXA6571I *applid* CICS IS NOT DEFINED AS AN MVS SUBSYSTEM.
Explanation
The alternate CICS attempted to access an internal record of CEC failures to determine whether the CEC on which the active CICS job was executing had failed. To access this information CICS has to be defined as an MVS subsystem. Because it is not, the attempt failed.

System action
Processing continues.

User response
None. For further information about defining CICS as an MVS subsystem, see the Installing CICS TS.

Module:
DFHWTI

Destination
Console

DFHXA6572I applid UNABLE TO LOAD modname.

Explanation
The module modname, defined by the CLT or RST for use by the alternate CICS that issued this message, cannot be loaded.

System action
Further messages are issued by the alternate CICS to describe the action taken.

User response
The appropriate response is indicated by subsequent messages.

Module:
DFHWTI

Destination
Console

DFHXA6573I applid LOAD MODULE modname IS NOT VALID.

Explanation
Module modname, the CLT or RST defined for use by this CICS system, is not valid.

System action
Further messages are issued by the alternate CICS to describe the action taken.

User response
The appropriate response is indicated by subsequent messages.

Module:
DFHWTI

Destination
Console

DFHXA6574I applid ERROR FOUND WITH DFHCLTxx.

Explanation
The alternate CICS that issued this message is unable to load a CLT, or has performed a check on the CLT contents and has found an error. If the specified CLT is used during a future takeover, the takeover might not be successful. A new or corrected CLT can be made available and loaded at takeover.

System action
Processing continues.

User response
Verify that the alternate CICS job is authorized to perform a takeover of the active CICS. Take appropriate action if not.

Locate the previous message issued by this alternate CICS, which provides details of the CLT error.

Perform the appropriate source edit, assembly and link-edit tasks necessary to make a correct CLT available for this alternate CICS.

Module:
DFHWTI

Destination
Console

DFHXA6575I applid SUBSYSTEM NAME subsysid NOT FOUND IN rstname FOR THIS APPLID.

Explanation
This is an informational message indicating that RST rstname, which was selected via the SIT, does not
include an entry for DBCTL subsystem subsysid in any RSE containing the specific APPLID applid of this CICS.

### System action

No action results directly when this message is issued. Other messages may be issued following this verification failure.

### User response

Check the RST suffix specified in the SIT, the RST, and the DBCTL subsystem to which CICS is connected.

Check any other messages that may also have been issued.

**Module:** DFHWTI

**Destination**

Console

**DFHXA6576I** applid CLT PROCESSING NOT POSSIBLE OWING TO ERROR IN DFHCLTxx.

### Explanation

During takeover, the alternate CICS that issued this message performed a check on the CLT contents and found an error.

A previous message specifies the error.

### System action

Commands in the CLT are not issued by this alternate CICS. Other takeover processing continues.

### User response

Verify that the alternate CICS job is authorized to perform a takeover of the active CICS and take appropriate action if it is not.

If the takeover is to be successful, the system operator should monitor and coordinate execution of the active CICS and alternate CICS jobs in the XRF complex.

Perform the source edit, assembly and link-edit tasks necessary to correct the CLT.

**Module:** DFHWTI

**Destination**

Console

**DFHXA6577I** applid NOT AUTHORIZED TO CANCEL jesno jobname ON CEC sid.

### Explanation

The issuing alternate CICS is attempting a takeover of the specified active CICS job. It has been unable to find the data that is needed to fully authorize takeover in the CLT or RST. This may be because the alternate cannot load the table, or because job jobname cannot be found:

- In the CLT, for an active CICS, or
- In the RST, for a DBCTL subsystem, or
- Because the CLT or RST is invalid.

Further messages specify the error with the CLT or RST, or define why the CLT or RST is invalid.

### System action

The issuing CICS system cannot issue a CANCEL, but attempts to alert the active CICS system to the takeover request via the XRF control data set. In most cases this causes the active system to initiate termination. The alternate continues processing to detect termination of the job.

When termination is detected, message DFHXA6563 or DFHXA6564 is displayed.

### User response

Verify that the alternate CICS job is authorized to perform a takeover of the active CICS. Take appropriate action if the alternate CICS job is not authorized.

Your CLT and/or RST may require some maintenance action.

**Module:** DFHWTI

**Destination**

Console

**DFHXA6578I** applid NOT AUTHORIZED TO CANCEL jesno jobname.

### Explanation

The issuing alternate CICS is attempting a cancel of the specified active CICS job. It has been unable to find the data that is needed to fully authorize the cancellation in the CLT or RST. This may be because the alternate cannot load the table, or because job jobname cannot be found:
In the CLT, for an active CICS, or
In the RST, for a DBCTL subsystem, or
Because the CLT or RST is invalid.

Further messages specify the error with the CLT or RST, or define why the CLT or RST is invalid.

System action
The issuing CICS system cannot issue a CANCEL, but attempts to alert the active CICS system to the takeover request via the XRF control data set. In most cases this causes the active system to initiate termination. The alternate continues processing to detect termination of the job.

When termination is detected, message DFHXA6564 is displayed.

User response
Verify that the alternate CICS job is authorized to perform a takeover of the active CICS. Take appropriate action if the alternate CICS job is not authorized.

Your CLT and/or RST may require maintenance action.

Module:
DFHWWTI

Destination
Console

DFHXA6580I PROGRAM LOGIC ERROR DETECTED.

Explanation
An internal error has been detected that prevents the CICS XRF CAVM supervisor state processing from continuing.

Depending on the CAVM supervisor state service being processed at the time, CICS may or may not abnormally terminate.

The CAVM TCB for processing the service has abnormally terminated.

Job output should include a dump of MVS LSQA associated with the SYSABEND DD statement.

Diagnostics: Register 2 is the base register for DFHWWTI global storage. This storage begins with the eye catcher WTISTOR. The format of this storage is defined in DSECT WSTORAGE in source member DFHWWTI.

DFHWWTI request arguments copied to global storage begin at field WGLODATA.

Source member DFHWWTADS defines the format of global storage arguments.

Field WGLOLOCA contains the address of the first register save area for a routine in DFHWWTI.

In the SVRB for the CICS SVC call that invoked DFHWWTI, the first fullword in the FEPARM field contains the address of DFHWWTI global storage.

Register 4 is the base register for local storage for each routine in DFHWWTI. Its format is defined in a DSECT whose name is of the form WLOCxxxx where xxx is the short name of the routine (see below for a list of routine names).

These DSECTs are in source member DFHWWTI. The first halfword is the internal return code for the routine. The values used for internal return codes are the same as the DFHWWTI request reason codes as defined in source member DFHWWTADS field WTARRC.

In addition, internal return codes of the format X'40nn' are used. X'40F0' is 'Internal Logic Error' variable name, RCLOGERR.

Other internal return codes of this format are defined in the local storage DSECTs.

The DFHWWTI request type for the CAVM supervisor state service is copied into local storage associated with the DFHWWTI initialization and termination routine, field name WWTIREQ, DSECT WLOCWTI in source member DFHWWTI.

Register 6 is the base register for each routine in DFHWWTI. When set, it points at a location immediately following an eye catcher of the routine’s long name (see list of routine names).

Register 13 is the base register for a register save area local to a routine in DFHWWTI. These save areas are standard MVS format except the first fullword contains the routine’s short name (see list of names). They are chained in the standard way with backward and forward pointers set on entry to a routine and zeroed on return.

Register save areas physically precede the storage local to a routine.

If a routine has to access the CLT, its address is in local storage for the routine. The field name for the CLT address is of the form WxxxCLTA, where xxx is the short name of the routine.

System action
In general, the CAVM request issued by this CICS job will fail. For the effect this has on processing by this CICS job, refer to messages issued after this one.
CAVM XRF supervisor state processing issues an MVS abend with system abend code 0214 and an MVS SYSABEND dump is produced.

**User response**

Keep the job output and console log for problem determination.

Using the SYSABEND dump of the MVS LSQA, and if available, the MVS symptom dump output, find the DFHWTI routine that detected the error from the value of register 6 or register save area chain fields.

Find the internal return code currently set in local storage for the routine.

Using the reason code value, remaining content of local storage and global storage, try to determine the cause of the action by the routine.

An assembly listing of the CLT assembled with the PRINT NOGEN option may be required.

**Routine names** Long names are used for:

- The routine entry point name, and
- The routine entry eye catcher.

Short names are used for:

- The routine register save area eye catcher,
- Characters 2 to 4 of routine local storage field names,
- Characters 5 to 7 of routine local storage DSECT names, and
- Characters 1 to 3 of routine labels.

Routines are as follows:

<table>
<thead>
<tr>
<th>Long Name</th>
<th>Short Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td></td>
</tr>
<tr>
<td>WTI</td>
<td>TIP</td>
</tr>
<tr>
<td>TIPENTRY</td>
<td>TIP</td>
</tr>
<tr>
<td>OATERM</td>
<td>OAT</td>
</tr>
<tr>
<td>OAWAIT</td>
<td>OAW</td>
</tr>
<tr>
<td>VERCLT</td>
<td>VCL</td>
</tr>
<tr>
<td>CLPENTRY</td>
<td>CLP</td>
</tr>
</tbody>
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- The routine entry point name, and
- The routine entry eye catcher.

Short names are used for:

- The routine register save area eye catcher,
- Characters 2 to 4 of routine local storage field names,
- Characters 5 to 7 of routine local storage DSECT names, and
- Characters 1 to 3 of routine labels.

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<tr>
<td>CLPENTRY</td>
<td>CLP</td>
</tr>
</tbody>
</table>

**Module:**

DFHWTI

**Destination**

Console

DFHXA6581I **applid** UNABLE TO DETERMINE STATUS OF JOB **jesno jobname**.

**Explanation**

The issuing CICS system was unable to determine whether job **jobname**, running on the same CEC, has terminated. This is for one of the following reasons:

1. CICS was unable to issue a system operator command under program control to cancel the
named job. In this case, message DFHXA6560 has been produced.

2. CICS has successfully issued a cancel command, but the job still appears to be running after the time period specified by the initialization parameter JESDI.

3. Job jobname is a failing DBCTL subsystem, but the job still appears to be running after the time period specified by the initialization parameter JESDI.

If jobname is the active CICS, takeover cannot continue until jobname has ended.

If jobname is a DBCTL subsystem, an alternate DBCTL cannot be started until jobname has ended.

**System action**

Takeover is suspended until the issuing CICS system detects the termination of the named job.

When termination is detected the message DFHXA6564 is displayed.

**User response**

Ensure that the active CICS job terminates.

**Module:**

DFHWTI

**Destination**

Console

DFHXA6564I applid TERMINATION OF JOB jesno jobname ON MVS SYSTEM mvsname(sid) HAS BEEN DETECTED.

**Explanation**

The issuing CICS system was unable to determine whether job jobname, running on MVS image mvsname, has terminated. This is for one of the following reasons:

- CICS was unable to issue a system operator command under program control to cancel the named job. In this case, message DFHXA6560, DFHXA6569, or DFHXA6570 has been produced.
- CICS has successfully issued a cancel command, but the job still appears to be running after the time period specified by the initialization parameter JESDI.

If jobname is a failing DBCTL subsystem, but the job still appears to be running after the time period specified by the initialization parameter JESDI.

If jobname is the active CICS, takeover cannot continue until jobname has ended.

If jobname is a DBCTL subsystem, an alternate DBCTL cannot be started until jobname has ended.

**System action**

Takeover is suspended until the issuing CICS system detects the termination of the named job.

When termination is detected the message DFHXA6583 is displayed.

**User response**

Ensure that the active CICS job terminates.

**Module:**

DFHWTI

**Destination**

Console

DFHXA6583I applid TERMINATION OF JOB jesno jobname ON MVS SYSTEM mvsname(sid) HAS BEEN DETECTED.

**Explanation**

During takeover, the alternate CICS has detected that the active CICS job jobname with JES job number jesno running on MVS image mvsname has ended.

**System action**

The CICS alternate continues takeover processing.

**User response**

None.

**Module:**

DFHWTI

**Destination**

Console
DFHCnmessages

DFHXC6600I applid CAVM DATA SET INITIALIZATION FAILED.

Explanation
The CICS job which displayed this message attempted to sign on to the CAVM but the signon request failed because the CAVM data sets could not be initialized properly. This is due to one of the following:

- The data set formatting subtask had not completed its processing in 2 minutes. This might occur if reserves issued by jobs (not necessarily CICS) running in other CECs cause a CAVM data set's DASD volume or a VSAM catalogue to remain inaccessible for a protracted period.
- SIGNON found that one of the CAVM data sets had already been formatted by a different CICS job but that the other was either empty or could not be opened because of conflict with another user of the data set. SIGNON waited for the other CICS job to finish the data set formatting, but 5 minutes later, this still had not been done. This might occur if a CICS job failed during data set formatting. A specific error reported in a previous message prevented successful completion of data set initialization.

System action
See following message issued by this CICS job.

User response
See message DFHXC6600

Module:
DFHWSSN3

Destination
Console

DFHXC6602I applid CAVM DATA SET dsname MUST RESIDE ON DASD.

Explanation
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

System action
See following message issued by this CICS job.

User response
See message DFHXC6600

Module:
DFHWSSN3

Destination
Console

DFHXC6603I applid CAVM DATA SET dsname IS INVALID.

Explanation
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

System action
See following message issued by this CICS job.

User response
See message DFHXC6600

Module:
DFHWSSN3
Destination

Console

**DFHCXC6604I applid CAVM DATA SET dsname MUST BE A VSAM ESDS.**

**Explanation**
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

**System action**
See following message issued by this CICS job.

**User response**
See message DFHCXC6600

**Module:**
DFHWSSN3

---

**Explanation**
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

**System action**
See following message issued by this CICS job.

**User response**
See message DFHCXC6600

**Module:**
DFHWSSN3

---

**Explanation**
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

**System action**
See following message issued by this CICS job.

**User response**
See message DFHCXC6600

**Module:**
DFHWSSN3

---

**Explanation**
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

**System action**
See following message issued by this CICS job.

**User response**
See message DFHCXC6600

**Module:**
DFHWSSN3

---

**Explanation**
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

**System action**
See following message issued by this CICS job.

**User response**
See message DFHCXC6600

**Module:**
DFHWSSN3

---

**Explanation**
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

**System action**
See following message issued by this CICS job.

**User response**
See message DFHCXC6600

**Module:**
DFHWSSN3

---

**Explanation**
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

**System action**
See following message issued by this CICS job.

**User response**
See message DFHCXC6600

**Module:**
DFHWSSN3

---

**Explanation**
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

**System action**
See following message issued by this CICS job.

**User response**
See message DFHCXC6600

**Module:**
DFHWSSN3

---

**Explanation**
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

**System action**
See following message issued by this CICS job.

**User response**
See message DFHCXC6600

**Module:**
DFHWSSN3

---

**Explanation**
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

**System action**
See following message issued by this CICS job.

**User response**
See message DFHCXC6600

**Module:**
DFHWSSN3

---

**Explanation**
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

**System action**
See following message issued by this CICS job.

**User response**
See message DFHCXC6600

**Module:**
DFHWSSN3

---

**Explanation**
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

**System action**
See following message issued by this CICS job.

**User response**
See message DFHCXC6600

**Module:**
DFHWSSN3

---

**Explanation**
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

**System action**
See following message issued by this CICS job.

**User response**
See message DFHCXC6600

**Module:**
DFHWSSN3

---

**Explanation**
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

**System action**
See following message issued by this CICS job.

**User response**
See message DFHCXC6600

**Module:**
DFHWSSN3

---

**Explanation**
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

**System action**
See following message issued by this CICS job.

**User response**
See message DFHCXC6600

**Module:**
DFHWSSN3

---

**Explanation**
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

**System action**
See following message issued by this CICS job.

**User response**
See message DFHCXC6600

**Module:**
DFHWSSN3

---

**Explanation**
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

**System action**
See following message issued by this CICS job.

**User response**
See message DFHCXC6600

**Module:**
DFHWSSN3

---

**Explanation**
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

**System action**
See following message issued by this CICS job.

**User response**
See message DFHCXC6600

**Module:**
DFHWSSN3
Module: DFHWSSN3

Destination Console

DFHX6608I applid I/O ERROR ACCESSING CAVM DATA SET dsname DURING SIGNON.

Explanation
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to access the CAVM data sets, but the error condition described in the message text has been detected.

User response
See message DFHXC6600

Module: DFHWSSN3

Destination Console

DFHX6609I applid CAVM DATA SET dsname IS OF THE WRONG TYPE OR ITS FORMAT IS INCOMPATIBLE WITH THIS CODE LEVEL.

Explanation
The CICS job that displayed this message issued a SIGNON to the CAVM. However, the CAVM found that the information in the data set’s control record either did not agree with its intended use or had been placed there by an incompatible level of CAVM code. This will occur if:

- The data set with ddname DFHXRCTL is not empty and has already been used for something other than a CAVM control data set or by an incompatible level of CAVM code.
- The data set with ddname DFHXRMSG is not empty and has already been used for something other than a CAVM message data set or by an incompatible level of CAVM code.

System action
See following message issued by this CICS job.

User response
See message DFHXC6600

Module: DFHWSSN3

Destination Console

DFHX6610I applid CAVM DATA SET dsname DOES NOT BELONG TO THE GENERIC APPLID SPECIFIED AT SIGNON.

Explanation
The CICS job which displayed this message issued a SIGNON to the CAVM. However, the CAVM found that the generic APPLID specified in the sign on request did not match that saved in the CAVM data set’s control record when the data set was first formatted.

System action
See following message issued by this CICS job.

User response
See message DFHXC6600

Module: DFHWSSN3

Destination Console

DFHX6611I applid CAVM DATA SETS DO NOT FORM A VALID PAIR.

Explanation
The CICS job that displayed this message issued a SIGNON to the CAVM. However, the CAVM found that the time stamps that were placed in the control records of the two data sets when they were first formatted do not match. This will occur unless the two CAVM data sets were used for the first time as a pair by a single CICS job.

System action
See following message issued by this CICS job.

User response
See message DFHXC6600

Module:
DFHWSSN3

Destination
Console

DFHXC6612I  applid MULTIPLE VOLUMES ARE NOT SUPPORTED FOR CAVM DATA SET dsname

Explanation
The CICS job that displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to OPEN the CAVM data sets but the error condition described in the message text has been detected.

System action
See following message issued by this CICS job.

User response
See message DFHXC6600

Module: DFHWSSN3

Destination
Console

DFHXC6613I  applid MULTIPLE UNITS ARE NOT SUPPORTED FOR CAVM DATA SET dsname

Explanation
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

System action
See following message issued by this CICS job.

User response
See message DFHXC6600

Module: DFHWSSN3

Destination
Console

DFHXC6614I  applid CONCATENATION IS NOT SUPPORTED FOR CAVM DATA SET dsname

Explanation
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

System action
See following message issued by this CICS job.

User response
See message DFHXC6600

Module: DFHWSSN3

Destination
Console

DFHXC6615I  applid ALLOCATION CHANGE DURING SIGNON IS NOT SUPPORTED FOR CAVM DATA SET dsname

Explanation
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to OPEN the CAVM data sets, but the error condition described in the message text has been detected.

System action
See following message issued by this CICS job.

User response
See message DFHXC6600

Module: DFHWSSN3

Destination
Console

DFHXC6616I  applid CAVM CONTROL AND MESSAGE DATA SETS MUST BE DISTINCT.
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to format the CAVM data sets, but the ddnames DFHXRMSG and DFHXRCTL refer to the same data set.

System action
See following message issued by this CICS job.

User response
See message DFHXC6600

Module: DFHWSSN3

Destination
Console

DFHXC6617I applid OBTAIN ERROR WHILE FORMATTING CAVM DATA SET dsnname

Explanation
The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to format the CAVM data sets, but the error condition described in the message text has been detected.

System action
See following message issued by this CICS job.

User response
See message DFHXC6600

Module: DFHWSSN3

Destination
Console

DFHXC6620I applid SIGNON IS WAITING TO RESERVE OR ACCESS A CAVM DATA SET.

Explanation
The CICS job which issued this message issued a SIGNON to the CAVM. The CAVM is attempting to format the CAVM data sets, but the error condition described in the message text has been detected.

System action
See following message issued by this CICS job.

User response
See message DFHXC6600

Module: DFHWSSN3

Destination
Console

DFHXC6618I applid SPACE ALLOCATED TO CAVM DATA SET dsnname IS INADEQUATE.

Explanation
The CICS job that displayed this message issued a sign on to the CAVM. CAVM is attempting to reserve the CAVM control data set or access either the control or the message data set, but for some considerable time either the required resource has remained unavailable or an outstanding I/O request has not completed. The reserve attempt should not fail unless another CICS job using the same CAVM data set and executing a sign on, sign-off or takeover request has been held up, possibly by I/O delays, after issuing a successful reserve. I/O delay might be caused by reserves issued by jobs (not necessarily CICS) running in other CECs that have made the CAVM data set’s DASD volume temporarily inaccessible.

System action
See message DFHXC6607.

User response
See message DFHXC6607.

Module: DFHWSSN2

Destination
Console

DFHXC6621I applid CAVM SIGNON CANNOT PROCEED BECAUSE JES IS
EITHER NOT RUNNING OR NOT RESPONDING TO JOB STATUS ENQUIRIES.

Explanation

The CICS job that displayed this message issued a sign on to the CAVM. To process the request, CAVM needs to know the status of a job identified by an entry in the control data set, but cannot obtain this information for the reason given in the message text.

System action

After a one minute delay, the CICS job that displayed this message reissues the failing job status enquiry. If the request is completed successfully this time, normal processing continues. Otherwise, this message is reissued.

User response

If JES is not running, restart it if possible. Otherwise, if the condition persists, try to correct the problem that is preventing job status enquiries from being answered. In some cases, just stopping JES and restarting it again may achieve the desired effect. In a JES2 environment, a possible cause of this trouble is that another CEC has failed after reserving the DASD volume containing the check-point data set. See message DFHXC6607. In a JES3 environment, job status enquiries cannot be answered if the global processor has failed.

Module:
DFHWSSN2

Destination
Console

DFHXC6622I applid ERROR IN INQUIRE HEALTH EXIT DURING SIGNON.

Explanation

The CICS job that displayed this message issued a SIGNON to the CAVM, but the return code passed back to CAVM by the INQUIRE HEALTH exit (DFHXRC) when it was called during sign on processing was nonzero. This message always indicates an internal error in CAVM or CICS.

System action

CAVM SIGNON continues but XRF function is probably degraded.

User response

Inform your installation's system programmer.

Module:
DFHWSSN2

Destination
Console

DFHXC6623I applid CAVM SIGNON IMPOSSIBLE AT PRESENT BECAUSE ANOTHER JOB HAS SIGNED ON WITH THE SAME SPECIFIC APPLID.

Explanation

The CICS job which issued this message issued a SIGNON to the CAVM, but the request cannot be accepted because the error condition described in the message text has been detected.

System action

See following message issued by this CICS job.

User response

None unless the wrong specific applid has been requested for the new job or the conflicting job was started by mistake. If so, resubmit the failing CICS job with appropriate corrections or after canceling the conflicting job.

Module:
DFHWSSN2

Destination
Console

DFHXC6624I applid CAVM SIGNON IMPOSSIBLE BECAUSE SMF IS NOT ACTIVE FOR THE REQUESTING JOB.

Explanation

The CICS job which issued this message issued a SIGNON to the CAVM, but the request cannot be accepted because the error condition described in the message text has been detected.

System action

See following message issued by this CICS job.
Re-IPL the MVS system, ensuring that the system parameters chosen include SMF.

User response

Module:
DFHWSSN2

Destination
Console

DFHXC6625I applid CAVM SIGNON IMPOSSIBLE BECAUSE CAVM DATA SETS ARE UNUSABLE.

Explanation
The CICS job which issued this message issued a SIGNON to the CAVM, but the request cannot be accepted because the error condition described in the message text has been detected.

System action
The CICS job waits for a reply.

User response

See following message issued by this CICS job.

User response

See message DFHXC6600

Module:
DFHWSSN2

Destination
Console

DFHXC6626D applid POSSIBLE CAVM SIGNON CONFLICT. IS JOB jobname,jesno RUNNING ON SYSTEM sid? REPLY YES OR NO.

Explanation
The CICS job which issued this message issued a SIGNON to the CAVM but the CAVM needs the operator's help in order to decide whether it is safe to accept the request. The CAVM has found that the control data set refers to a job satisfying all the following conditions:

- JES believes that this job is still executing.
- If JES is right, the current sign on request must be rejected because the presence of this job would conflict with it.
- This job is not running in the same CEC as the CICS job which is attempting to sign on.
- This job's surveillance signals appear to be absent.

Such a situation might have arisen as a result of a failure of the CEC in which the conflicting job was running and if so, the CAVM should not reject the sign on request unless it finds another reason for doing so. If the job which displayed this message is a CICS active, the conflicting job is another active or an alternate which has started a takeover. If the job which displayed this message is a CICS alternate, the conflicting job is another alternate. The jobname, JES job identifier and CEC SMF identifier of the conflicting job are specified in the message text.

System action
The CICS job waits for a reply.

User response

If the job which displayed this message is a CICS active job, reply NO only if:

1. You are certain that the job referred to in the message text is not executing. It might be necessary to perform a System Reset of the CEC where it was running to guarantee this.

   AND

2. The job which issued this message ought to continue with its CAVM sign on request and become the CICS active job.

Otherwise reply YES.

If the job which displayed this message is a CICS alternate job, reply NO only if:

1. You are certain that the job referred to in the message text is not executing. It might be necessary to perform a System Reset of the CEC where it was running to guarantee this.

   AND

2. The job which issued this message ought to continue with its CAVM sign on request and become the CICS alternate job.

Otherwise reply YES.

Module:
DFHWSSN2

Destination
Console

DFHXC6627I applid CAVM SIGNON IMPOSSIBLE BECAUSE THIS JOB IS CURRENTLY SIGNED ON OR WAS ONCE AN ACTIVE SYSTEM.
Explanation
The CICS job which issued this message issued a SIGNON to the CAVM, but the request cannot be accepted because the error condition described in the message text has been detected.

System action
See following message issued by this CICS job.

User response
This message indicates an internal error has occurred.

Module: DFHWSSN2

Destination
Console

DFHXC6628I applid CAVM SIGNON IMPOSSIBLE AT PRESENT BECAUSE CONFLICTING JOB(S) HAVE NOT YET SIGNED OFF OR TERMINATED.

Explanation
The CICS job which issued this message issued a SIGNON to the CAVM, but the request cannot be accepted because the error condition described in the message text has been detected.

System action
See following message issued by this CICS job.

User response
None unless the wrong START option has been requested for the new job or the conflicting job(s) were started by mistake. If so, resubmit the failing CICS job with appropriate corrections or after canceling the conflicting job(s).

Module: DFHWSSN2

Destination
Console

DFHXC6630I applid TAKEOVER REJECTED BECAUSE LAST ACTIVE SIGNED OFF NORMALLY.

Explanation
The CICS job that issued this message issued a takeover request to the CAVM but the request has been rejected due to the error condition described in the message text.

System action
See following message issued by this CICS job.

User response
None

Module: DFHWSTKV

Destination
Console

DFHXC6631I applid TAKEOVER REJECTED BECAUSE LAST ACTIVE INSTANCE NUMBER DOES NOT MATCH THAT SPECIFIED.
Explanation
The CICS job which issued this message issued a takeover request to the CAVM but the request has been rejected due to the error condition described in the message text. This error would occur if a new CICS active job signed on to the CAVM after this CICS alternate job had already made the decision to attempt to take over from the previous CICS active job.

System action
See following message issued by this CICS job.

User response
None

Module:
DFHWSTKV

Destination
Console

DFHX6632I  applid NON PRE-EMPTIVE TAKEOVER REJECTED BECAUSE LATEST ACTIVE VERSION NUMBER DOES NOT MATCH THAT SPECIFIED.

Explanation
The CICS job which issued this message issued a takeover request to the CAVM but the request has been rejected due to the error condition described in the message text.

System action
See following message issued by this CICS job.

User response
None

Module:
DFHWSTKV

Destination
Console

DFHX6633I  applid TAKEOVER REJECTED BECAUSE NECESSARY TOD CLOCK DIFFERENCE INFORMATION IS NOT AVAILABLE.

Explanation
The CICS job which issued this message issued a takeover request to the CAVM but the request has been rejected due to the error condition described in the message text. This error cannot occur unless both the following conditions are satisfied:

- The CICS active and alternate jobs are running in different CECs.
- A TAKEOVER has been attempted before the alternate job has had the chance to observe the active job’s surveillance signals for the short time (less than 1 minute) needed to deduce the maximum possible difference between the respective TOD clocks.

The takeover cannot be performed unless the difference between the CECs' TOD clocks is known because normal CICS processing must not be resumed until the current TOD clock reading is later than the TOD clock reading when the old CICS active job terminated as observed in the CEC where it had been running.

System action
See following message issued by this CICS job.

User response
None

Module:
DFHWSTKV

Destination
Console

DFHX6634I  applid TAKEOVER REJECTED BECAUSE NECESSARY TOD CLOCK DIFFERENCE INFORMATION IS NOT AVAILABLE.
DFHWSTKV

Destination
Console

DFHXC6635I applid TAKEOVER PROCESSING TERMINATED BECAUSE ANOTHER BACKUP HAS STARTED A PRE-EMPTIVE TAKEOVER.

Explanation
The CICS job which issued this message issued a takeover request to the CAVM and the request was accepted, but the error condition described in the message text was encountered before the completion of TAKEOVER.

System action
See following message issued by this CICS job.

User response
None

Module: DFHWSTKV

Destination
Console

DFHXC6636I applid TAKEOVER PROCESSING TERMINATED BECAUSE STATUS OF ACTIVE JOB CANNOT BE DETERMINED.

Explanation
The CICS job which issued this message issued a takeover request to the CAVM and the request was accepted, but takeover processing could not be completed because of an error encountered in using the CAVM services provided by the CICS SVC.

System action
See following message issued by this CICS job.

User response
None

Module: DFHWSTKV

Destination
Console

DFHXC6638I applid NOTIFY RC= retcode - text

Explanation
The CICS job that displayed this message has found that the return code passed back to CAVM by the NOTIFY exit (DFHXRB) was non-zero. The message includes the actual return code value retcode (or greater than 99) and some text identifying the type of event which was being processed when the error occurred. This message always indicates either an internal error in CAVM or CICS or that code or data has become corrupted.

System action
Processing continues but XRF function is probably degraded.

User response
Inform your installation's system programmer.
Module: DFHWSTKV

Destination
Console

DFHXC6640I applid ALL STATUS WRITERS ARE IN I/O WAIT.

Explanation
The CICS job which displayed this message has found that the writes of its latest status issued to the control data set and the message data set are both taking a long time to complete. This might occur if reserves issued by jobs (not necessarily CICS) running in other CECs have made the DASD volumes of both CAVM data sets temporarily inaccessible.

System action
The CICS job re-issues this warning message at intervals until one of its status writes completes. Meanwhile, it continues to perform any processing which is not dependent on status write completion. If the job which displayed this message is a CICS active and the condition persists for long enough, it is possible that an unwanted takeover will be initiated when the alternate (assuming that it is able to read the CAVM data sets because it is running in a different CEC) notices that the active system's surveillance signals have ceased.

User response
If this message is issued by a CICS job which does not seem to be experiencing other problems, it might be advisable to issue a suitable command to the corresponding alternate job to prevent it from initiating an unnecessary takeover. See also message DFHXC6607.

Module: DFHWSSW

Destination
Console

DFHXC6641I applid ALL STATUS READERS ARE IN I/O WAIT.

Explanation
The CICS job which displayed this message has found that the reads it has issued to the control data set and the message data set to obtain the latest available status of its partner system are both taking a long time to complete. This might occur if reserves issued by jobs (not necessarily CICS) running in other CECs have made the DASD volumes of both CAVM data sets temporarily inaccessible.

System action
The CICS job reissues this warning message at intervals until one of the status reads completes. Meanwhile, it continues to perform any processing which is not dependent on status read completion. If the job which displayed this message is a CICS alternate, it is possible that a takeover will not be initiated if the active fails, since the alternate cannot detect that the active's surveillance signals have ceased.

User response
See message DFHXC6607.

Module: DFHWSSR

Destination
Console

DFHXC6642I applid STATUS WRITE I/O ERROR ON dsname

Explanation
The CICS job which displayed this message has encountered an I/O error in writing its latest status to either the control data set or the message data set.

System action
If the CICS job is able to write its status successfully to either the control data set or the message data set, processing continues. Further writes to the failing data set might be attempted later on because it is possible that the error condition was transient. If both data sets become unusable simultaneously, the CAVM TCB ABENDs.

User response
Inform your installation's system programmer.

Module: DFHWSSW

Destination
Console

DFHXC6642I applid STATUS READ I/O ERROR ON dsname
**Explanation**

The CICS job which displayed this message has encountered an I/O error in reading the latest available status of its partner system from either the control data set or the message data set. `dsname` is the name of the data set.

**System action**

Processing continues but XRF function will be degraded because the affected system might not be able to detect changes in its partner’s status. Further reads from the failing data set might be attempted later on because it is possible that the error condition was transient. If this error is encountered in an alternate system while it is processing a takeover request, the takeover will fail.

**User response**

Inform your installation's system programmer.

**Module:** DFHWSSR

**Destination**

Console

**DFHC6644I** `applid NOTIFY RC= retcode - text`

**Explanation**

The CICS job which displayed this message has found that the return code passed back to CAVM by the NOTIFY exit (DFHXRB) was non-zero. The message includes the actual return code value `retcode` (or a value greater than 99) and some text identifying the type of event that was being processed when the error occurred. This message always indicates either an internal error in CAVM or CICS or that code or data has become corrupted.

**System action**

Processing continues but XRF function is probably degraded.

**User response**

Inform your installation's system programmer.

**Module:** DFHWSTI

**Destination**

Console

**DFHC6646I** `applid ERROR CALLING CICS SVC - xxxxxxxxxxxxxx`

**Explanation**

The CICS job which displayed this message has encountered an error calling the CICS supervisor code (SVC) to determine the status of another MVS image in the same XCF sysplex as the calling CICS MVS image.

**System action**

Processing continues but XRF function is probably degraded.

**User response**

Ensure that the correct level of CICS SVC has been specified. Also ensure that MVS has issued an acceptable return code as this error can be caused by a change in MVS response codes. If the error is caused by neither of these, it could be the result of an internal error in CAVM. If this is the case, you need further guidance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHWSSR

**Destination**

Console
**Explanation**

The CICS job which issued this message issued a SIGNOFF request to the CAVM or SIGNOFF processing was invoked implicitly by abnormal termination of the CAVM TCB. CAVM attempted to reserve the CAVM control data set in order to process the request, but for some considerable time, the required resource remained unavailable. The reserve attempt should not fail unless another CICS job using the same CAVM data set and executing a SIGNON, SIGNOFF or TAKEOVER request has been held up, possibly by I/O delays, after issuing a successful reserve.

**System action**

The CAVM TCB terminates without updating the CAVM data sets to indicate that this CICS job has signed off. See also any following message issued by this CICS job.

**User response**

None.

**Module:**

DFHWSSOF

**Destination**

Console

**Explanation**

The CICS XRF job that issued this message has encountered an unexpected severe error during CAVM processing. The code code in the message identifies both the error, and the CAVM module that detected it, as follows:

Errors detected by DFHWSRTR (00xx)

0002

CAVM dispatcher has no ready processes to dispatch and no external event to wait for.

Errors detected by DFHWSSN1 (10xx)

1001

Nonzero return code from ATTACH for CAVM TCB.

Errors detected by DFHWSSN2 (20xx)

2001

Function code in SIGNON parameter block is invalid.

2002

Function modifier in SIGNON parameter block is invalid.

2003

Length of SIGNON parameter block extension is incorrect.

2004

Requested surveillance interval is not positive.

2005

Nonzero return code from ESTAE to establish recovery for CAVM TCB.

2006

Nonzero return code from asynchronous VSAM GET or CHECK while reading the state management record. (This could be caused by an I/O error.)

2007

Nonzero return code from asynchronous VSAM PUT or CHECK while updating the state management record. (This could be caused by an I/O error.)

2008

Nonzero return code from a request to start a check for the presence of surveillance signals.

2009

Unexpected return code from a request to complete a check for the presence of surveillance signals.

200A

Nonzero return code from asynchronous VSAM GET or CHECK while reading a status CI to check for the presence of surveillance signals. (This could be caused by an I/O error.)

200B

Routine to check for the presence of surveillance signals found that the sequence number in a status CI has decreased.

200C

Nonzero return code from asynchronous VSAM GET or CHECK while reading a status CI in order to update it. (This could be caused by an I/O error.)
Content of the state management record has changed but its security count is unaltered.

Nonzero return code from asynchronous VSAM PUT or CHECK while updating a status CI in the control data set. (This could be caused by an I/O error.)

Unexpected return code from the conditional RESERVE macro.

Nonzero return code from VSAM MODCB macro to change OPTCD in RPL to UPD.

Nonzero return code from VSAM MODCB macro to change ACB address in RPL.

Nonzero return code from ATTACH for TCB to issue a job STATUS enquiry request to the CICS SVC.

Unexpected return code from CICS SVC (A version of DFHCSVC which includes XRF support might not have been installed on the MVS/ESA system, or the wrong SVC number might have been specified on the SIT or as an override.)

Unexpected return code from a requested JES job STATUS enquiry function. (This error could also be caused by using a wrong SVC number which does not correspond to any version of the CICS SVC.)

Unexpected return code from a XCF IXCQUERY function.

Unexpected response code from CICS SVC when attempting to determine details of a job that is running under a release of MVS which supports XCF.

Unexpected reason code from CICS SVC when attempting to determine details of a job that is running under a release of MVS which supports XCF.

Nonzero return code from VSAM GENCB macro to build an RPL.

Nonzero return code from VSAM SHOWCB macro to obtain the length of an ACB.

Nonzero return code from VSAM SHOWCB macro to obtain the length of an RPL.

Nonzero return code from VSAM SHOWCB macro to obtain ACB OPEN error code.

Nonzero return code from VSAM SHOWCB macro to obtain ACB CI size and RBA data.

The high-used RBA of a CAVM data set is zero when it should not be empty.

Nonzero return code from asynchronous VSAM GET while reading the Control CI from a CAVM data set.

Nonzero return code from VSAM MODCB macro to change STRNO in an ACB.

Unexpected return code from the conditional RESERVE macro.

Nonzero return code from ATTACH for TCB to format a new pair of CAVM data sets.

Internal logic error while processing a new pair of CAVM data sets.

Nonzero return code from VSAM TESTCB macro to test whether the data set associated with an open ACB is an ESDS.

Nonzero return code from VSAM SHOWCB macro to obtain ACB CI size and RBA data during the data set formatting.

Errors detected by DFHWSSN3 (30xx)
300E
 nonzero return code from synchronous VSAM PUT
 while formatting a new pair of CAVM data sets.
 (This could be caused by an I/O error.)

300F
 nonzero return code from VSAM GENCB macro to
 build an ACB.

3010
 nonzero return code from VSAM SHOWCB macro
 to obtain ACB CI size and RBA data.

3011
 nonzero return code from VSAM MODCB macro to
 change the ACB address in RPL.

Errors detected by DFHWSSOF (40xx)

4001
 nonzero return code from VSAM GENCB macro to
 build RPLs.

4002
 Error return code from PURGE macro (SVC 16).

4003
 nonzero return code from VSAM MODCB macro or
 synchronous GET, or I/O request was purged
 by the timer exit, when trying to read the state
 management record. (This could be caused by an
 I/O error.)

4004
 The MVS/ESA system no longer has an SMF SMCA
 although it existed when this CICS XRF job signed
 on to the CAVM.

4005
 This CICS XRF job no longer has an SMF TCT
 although it existed at SIGNON.

4006
 This CICS XRF job no longer has an SMF JMR
 although it existed at SIGNON.

4007
 State management record contains invalid
duplicate entries for this CICS XRF job.

4008
 The location of this CICS XRF job's description in
 the state management record is inconsistent with
 the current value of SMDR1NDX.

4009
 The sequence numbers in this CICS XRF job's pair
 of status CIs in the control and message data sets
 are equal but nonzero.

400A
 Unexpected return code from the conditional
 RESERVE macro.

400B
 Unable to RESERVE control data set after repeated
 attempts.

400C
 nonzero return code from VSAM MODCB macro or
 return code 4 from synchronous PUT when trying
 to update status CI.

400D
 nonzero return code from VSAM MODCB macro
 or synchronous GET, or I/O request was purged
 by the timer exit, when trying to update the state
 management record. (This could be caused by an
 I/O error.)

Errors detected by DFHWSSR (50xx)

5001
 nonzero return code from VSAM GENCB macro to
 build an RPL.

5002
 The alternate has detected that the active's status
 CI was still being updated after the active job
 had signed off or terminated. (This error could be
 caused by an invalid XRF configuration in which the
 active and alternate do not share a common JES
 job queue. The problem was not discovered when
 the second job signed on to the CAVM because
 at that time it was unable to detect the first job's
 surveillance signals.)

5003
 The sequence number in a status CI of an XRF
 partner job has decreased.

5004
 The alternate has detected that the sequence
 numbers in the active's pair of status CIs in the
 control and message data sets are equal but
 nonzero.

5005
 The estimate of the lower bound of the difference
 between the active's and alternate's TOD clocks
 derived from the time-stamp in the status CI which
 has just been read is greater than the existing
 estimate of the upper bound of this difference.
The estimate of the upper bound of the difference between the active's and alternate's TOD clocks derived from the time-stamp in the status CI which has just been read is less than the existing estimate of the lower bound of this difference.

The sequence numbers in an XRF partner job's pair of status CIs in the control and message data sets are equal but nonzero.

The sequence number in a status CI of an XRF partner job is now inconsistent with previously observed values.

The instance and version numbers in a status CI of an XRF partner job are now less than the corresponding values in the public status area.

The instance and version numbers in a status CI of an XRF partner job are unaltered but the job state indicator has changed from 'signed off' to 'signed on'.

Public status area seems to contain valid data about an XRF partner job before it should.

Attempt to indicate that public status is available for another XRF partner job when it is already available for all partners.

The alternate has encountered I/O errors in consecutive attempts to read the active's status CIs from both control and message data sets.

The alternate has encountered an I/O error in trying to read one of the active's status CIs during a takeover.

Logical error return code from VSAM CHECK of an asynchronous GET.

Nonzero return code from asynchronous VSAM GET.

This alternate has been invalidated by the active, probably because of message transmission difficulties. This can also be caused by a message data set that is too small. In this case, increase the size of the message data set to allow the alternate CICS to apply its updates before they are overwritten by those of the active CICS.

Errors detected by DFHWSSW (60xx)

Logical error return code from VSAM CHECK of an asynchronous PUT.

I/O errors have been encountered in consecutive attempts to write to this job's status CIs in both control and message data sets.

Nonzero return code from asynchronous VSAM PUT.

The 'status write completed' event masks have been corrupted.

WSAGINDX has been corrupted.

Nonzero return code from VSAM GENCB macro to build an RPL.

The sequence number in one of this job's status CIs has been corrupted in the control or message data set. (This error could be caused by an invalid XRF configuration in which two actives or two alternates do not share a common JES job queue. The problem was not discovered when the second job signed on to the CAVM because at that time, it was unable to detect the first job's surveillance signals.)

Errors detected by DFHWSTKV (80xx)

Nonzero return code from VSAM GENCB macro to build an RPL.

State management record indicates that the alternate attempting to take over already holds the takeover lock.
State management record indicates that the alternate attempting to take over already holds the resources which are freed by SIGNOFF of the active job.

State management record indicates that the alternate attempting to take over already holds the resources which are freed by termination of the active job.

DFHWTI encountered an error in trying to confirm termination of the active job after the alternate performing the takeover had already acquired the resources freed by the active SIGNOFF.

Another alternate has started a preemptive takeover after this alternate had already acquired the resources freed by the active SIGNOFF.

The time-stamp associated with the resources freed by termination of the active job cannot be updated because an unexpected problem has arisen with the TOD clock difference data after this alternate had already acquired the resources freed by the active SIGNOFF.

Nonzero return code from asynchronous VSAM GET to read the state management record.

Nonzero return code from VSAM CHECK of asynchronous GET for the state management record. (This could be caused by an I/O error.)

Nonzero return code from asynchronous VSAM PUT to update the state management record.

Nonzero return code from VSAM CHECK of asynchronous PUT for the state management record. (This could be caused by an I/O error.)

Nonzero return code from asynchronous VSAM GET to read the state management record in QUIESCE routine. (This could be caused by an I/O error.)

Nonzero return code from VSAM MODCB macro to change OPTCD in RPL to UPD.

Nonzero return code from VSAM MODCB macro to change OPTCD in RPL to NUP.

Unexpected return code from the conditional RESERVE macro.

Invalid request code passed to the routine which attaches subtask TCBs to issue XRF requests to the CICS SVC.

Nonzero return code from ATTACH for TCB to issue XRF request to the CICS SVC.

Nonzero return code from DETACH for subtask TCB.

An ABEND U0218 is issued with a reason code equal to the code in message DFHX6650. This results in abnormal termination of the CICS XRF job. See also any following messages issued by this CICS XRF job.

Inform your installation's system programmer.

Module:
DFHWSRTR, DFHWSSN1, DFHWSSN2, DFHWSSN3, DFHWSSOF, DFHWSSR, DFHWSSW, DFHWSTKV

Console

DFHX6651I applid CAVM HAS DETECTED AN INVALID REQUEST.

CAVM has found that the parameter block passed to it is invalid, or that the request is being made at an inappropriate time.
**System action**
An ABEND U0218 is issued with reason code 1. This results in the abnormal termination of the CICS job. See also any following messages issued by this CICS job.

**User response**
Restart the failing CICS job and inform your installation's system programmer.

**DFHXGnnnn messages**

### DFHXG6215

**applid proname operation failure, response code cccc cccc keyrange: rrrr { | key: } key**

**Explanation**
Table builder services (DFHTBSS) failed in an operation on the global catalog (DFHCCCC).

The failing operation is shown in the message, and is a DELETE, WRITE_NEXT, START_WRITE or END_WRITE request.

- `cccc cccc` are the response and reason codes from the catalog domain.
- `rrrr` is the internal RQ token passed to the catalog domain.
- `key` appears in the message only for a WRITE or DELETE operation, and usually includes the name of the resource for which CICS failed to record information on the global catalog.

This is normally an internal CICS error, however, it can occur during shut down if one task initiates a normal shut down, and another initiates an immediate shut down shortly afterwards. This is because the immediate shut down closes resources that are being used by the normal shut down task.

This can also occur if the global catalog is not big enough and a large group is being installed.

**System action**
CICS terminates.

**User response**
Check the size of the global catalog. Redefine a larger one if necessary.

Alternatively this message could be caused by an immediate shutdown of CICS because tasks not yet quiesced may abend trying to access a service removed by the shutdown process.

### DFHXG6400I

**applid Signing on to the CAVM as active with generic APPLID genericid**

**Explanation**
This is an informational message issued from the CICS TCB. It indicates that the system is about to sign on to the CICS availability manager (CAVM) as active. The message insert provides the generic applid.

**System action**
CICS initialization is delayed until the signon request has been processed.

In general the delay is insignificant. In those cases where the delay is significant messages are produced by the CAVM to note the reasons.
User response
None.

Module: DFHXRA

XMEOUT parameters/Message inserts
1. applid
2. genericid

Destination
Console

DFHXG6401I applid Sign on to the CAVM as active accepted

Explanation
This is an informational message issued from the CICS TCB. It indicates that the signon request (refer to message DFHXG6400) has been accepted by the CAVM.

System action
CICS initialization is resumed.

User response
None

Module: DFHXRA

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHXG6402I applid Sign on to the CAVM as active rejected

Explanation
This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the named alternate CICS has signed on to the CAVM.

System action
Transaction CXCU is attached to send keypoint data to alternate CICS.

User response
None

Module: DFHXRSP

XMEOUT parameters/Message inserts
1. applid
2. specificid

Destination
Console

DFHXG6403I applid Sign on of specificid to the CAVM as alternate detected.

Explanation
This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the named alternate CICS has signed on to the CAVM.

System action
Transaction CXCU is attached to send keypoint data to alternate CICS.

User response
None

Module: DFHXRSP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHXG6404I applid SIGNING OFF NORMALLY FROM THE CAVM.

Explanation
This is an informational message issued from the CICS TCB. It indicates that the system is about to sign off normally from the CAVM.

System action
CICS termination is delayed until the sign off request has been processed.
User response
None.

Module:
DFHXRF

Destination
Console

**DFHXG6405I** applid SIGN OFF NORMAL FROM THE CAVM ACCEPTED.

**Explanation**
This is an informational message issued from the CICS TCB. It indicates that the sign off request has been accepted by the CAVM. (Refer to message DFHXG6404).

**System action**
CICS termination is continued.

**User response**
None.

Module:
DFHXRF

Destination
Console

**DFHXG6406I** applid SIGN OFF NORMAL FROM THE CAVM REJECTED.

**Explanation**
This is an informational message issued from the CICS TCB. It indicates that the system is about to sign off abnormally from the CAVM.

**System action**
CICS termination is delayed until the sign off request has been processed.

**User response**
None.

Module:
DFHXRF

Destination
Console

**DFHXG6407I** applid SIGN OFF ABNORMAL FROM THE CAVM ACCEPTED.

**Explanation**
This is an informational message issued from the CICS TCB. It indicates that the sign off request has been accepted by the CAVM.

**System action**
CICS processing continues.

**User response**
None.

Module:
DFHXRF

Destination
Console

**DFHXG6408I** applid SIGNING OFF ABNORMALLY FROM THE CAVM.

**Explanation**
This is an informational message issued from the CICS TCB. It indicates that the sign off request has been accepted by the CAVM.

**System action**
CICS termination continues.

**User response**
None.

Module:
DFHXRF

Destination
Console

**DFHXG6409I** applid SIGN OFF ABNORMAL FROM THE CAVM ACCEPTED.

**Explanation**
This is an informational message issued from the CICS TCB. It indicates that the sign off request has been accepted by the CAVM.
has been accepted by the CAVM. (Refer to message DFHXG6408).

**System action**
CICS termination continues.

**User response**
None.

**Module:**
DFHXRF

**Destination**
Console

DFHXG64101 **applid** SIGN OFF ABNORMAL FROM THE CAVM REJECTED.

**Explanation**
This is an informational message issued from the CICS TCB. It indicates that the sign off request has been rejected by the CAVM. (Refer to message DFHXG6408.)

Messages are produced by the CAVM to note the reasons for rejecting the request.

**System action**
CICS termination continues.

**User response**
Refer to the messages produced by the CAVM for further information.

**Module:**
DFHXRF

**Destination**
Console

DFHXG64111 **applid** Sign off abnormal from the CAVM detected.

**Explanation**
This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the alternate CICS has signed off from the CAVM.

**System action**
The system continues with normal processing. However, you should be aware that takeover does not occur if the active CICS fails.

**User response**
Determine the reason for the abnormal sign-off.

**Module:**
DFHXRF

**Destination**
Console

DFHXG64151 **applid** CICS is being taken over. Execution will be terminated.

**Explanation**
This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the CAVM has accepted a takeover request from alternate CICS.

**System action**
CICS is terminated abnormally with abend code 206.

**User response**
None.

**Module:**
DFHXRF

**Destination**
Console

DFHXG64161 **applid** APPARENT FAILURE OF ALTERNATE CICS DETECTED.

**Explanation**
This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the alternate CICS appears to have failed.
System action
The system continues with normal processing. However, you should be aware that takeover may not occur should the active CICS fail.

User response
Determine the reason for the apparent failure of the alternate CICS.

Module: DFHXRSP

Destination
Console

DFHXG6417I applid Recovery of alternate CICS detected.

Explanation
This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that alternate CICS has recovered from the apparent failure reported by message DFHXG6416.

System action
The system continues with normal processing.

User response
None.

Module: DFHXRSP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHXG6422I applid Sign off normal from the CAVM assumed.

Explanation
This is an informational message issued from the CICS TCB. It indicates that CICS has assumed that the alternate CICS has signed off from the CAVM. This is likely to occur when the active CICS is running on CEC 1 and:

1. the CICS alternate is started on CEC 2, or
2. the CEC 2 initial program load is repeated, or
3. CICS alternate is restarted on CEC 2.

System action
CICS processing is continued.

User response
None.

Module: DFHXRSP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHXG6423I applid CAVM failure detected. CICS cannot continue as active.

Explanation
This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the CAVM has failed. Messages are produced by the CAVM to note the reasons for failure.

System action
CICS terminates abnormally with abend code 212.

User response
Correct the error.

Module: DFHXRSP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHXG6427I applid Terminal control restart task has failed. CICS execution will be terminated.

Explanation
This is an informational message issued from the CICS TCB. It indicates that the terminal control restart task
has failed. It is no longer possible for CICS to continue either as active or as alternate.

Messages are produced by the terminal control restart task to note the reasons for failure.

**System action**

CICS terminates abnormally with abend code 209.

**User response**

Correct the error.

**Module:**

DFHXRSP

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

DFHXG6429I

**applid** Transaction CXCU cannot be attached.

**Explanation**

This is an informational message issued from the CICS TCB. It indicates that CICS is unable to attach transaction CXCU. Therefore, CICS is unable to initiate the transmission of tracking messages. Takeover is adversely affected if CXCU cannot be attached. This can occur if:

1. CXCU is not defined to CICS, or
2. CICS is short on storage

**System action**

CICS attempts to attach CXCU at regular intervals.

**User response**

Either install CXCU using RDO, or alleviate the storage shortage.

**Module:**

DFHXRSP

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

DFHXG6439I

**applid** CICS startup is terminated for reasons given above.

**Explanation**

This is an informational message indicating that CICS startup is terminated.

**System action**

CICS is terminated abnormally with a dump.

**User response**

Refer to previous messages that have been sent to the system console for further guidance.

**Module:**

DFHSIC1

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

DFHXG6440I

I/O ERROR ON XRF MESSAGE DATA SET. RPL ADDRESS = HEX'xx'.

**Explanation**

VSAM reported a physical I/O error on the XRF message data set. The address 'X'xx' is that of the VSAM RPL which reported the error.

**System action**

Surveillance by the XRF system ceases.

**User response**

It is necessary to restart both the active and alternate CICS systems with a fresh pair of surveillance data sets. For diagnostic purposes, the message gives the address of the RPL being used at the time the error was reported. The RPL has an associated VSAM message area.

**Module:**

DFHWMMT

**Destination**

Console
**DFHXG6441I**  LOGICAL ERROR ON XRF MESSAGE DATA SET. VSAM FEEDBACK DATA = HEX’xx’.

**Explanation**
VSAM reported a logical error on the XRF message data set.

**System action**
Surveillance by the XRF system ceases.

**User response**
If you need further assistance from IBM to resolve this problem, see [Working with IBM to solve your problem](#) for guidance on how to proceed.

**Module:**
DFHWMMT

**Destination**
Console

**DFHXG6442I**  INTERNAL ERROR IN XRF MESSAGE MANAGER.

**Explanation**
Request chains maintained by the CICS message manager are in an inconsistent state.

**System action**
Surveillance by the XRF system ceases.

**User response**
If you need further assistance from IBM to resolve this problem, see [Working with IBM to solve your problem](#) for guidance on how to proceed.

**Module:**
DFHWMMT

**Destination**
Console

**DFHXG6443I**  INTERNAL ERROR IN XRF SURVEILLANCE COMPONENT.

**Explanation**
An invalid internal call has been made to a routine in XRF surveillance component.

**System action**
Surveillance by the XRF system ceases.

**User response**
Depending on the size of the message data set, there will be some delay before the active can send messages to the alternate. It may be
advisable to defer starting an alternate system until the corresponding message DFHXG6446 has been received.

**Module:** DFHWMMT

### DFHXG6446I  XRF MESSAGE DATA SET FORMATTING COMPLETED.

**Explanation**
The XRF message data set has now been formatted. It can be used to pass messages from the active to the alternate.

**System action**
Normal service continues.

**User response**
None. See message DFHXG6445.

**Module:** DFHWMMT

### DFHXG6447I  NON CRUCIAL XRF MESSAGE(S) DISCARDED.

**Explanation**
The XRF message data set is full. Some messages are being discarded in preference to invalidating the alternate system by overwriting messages that it has not yet read.

**System action**
Normal service continues.

**User response**
This situation is likely to arise in circumstances similar to those described for message DFHXA6541. The alternate has not yet become invalid but is likely to become so and corrective action is warranted. Refer to message DFHXA6541 for further guidance.

**Module:** DFHWMWR

### DFHXG6450I  SVC GETMAIN FAILED IN XRF SURVEILLANCE.

**Explanation**
An SVC GETMAIN issued by the CICS surveillance component has failed. The GETMAIN may have been issued under either the CICS TCB or the XRF TCB.

**System action**
An MVS abend 0190 is issued.

**User response**
Since the GETMAIN requests storage above the 16MB line, it is extremely unlikely that the request cannot be satisfied.

A system error may have occurred. If this is the case, you will require further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHWCCS

### DFHXG6451I  SVC GETMAIN FAILED IN XRF SURVEILLANCE.

**Explanation**
An SVC GETMAIN issued by the CICS surveillance component has failed. The GETMAIN may have been issued under either the CICS TCB or the XRF TCB.

**System action**
An MVS abend 0191 is issued.

**User response**
Since the GETMAIN requests storage above the 16MB line it is extremely unlikely that the request cannot be satisfied.

A system error may have occurred. If this is the case, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHWLGET
Destination

Console

DFHXG6452I INTERNAL ERROR IN XRF SURVEILLANCE.

Explanation
A consistency check made by the XRF LIFO storage manager has failed. The failure may have occurred while running under either the CICS TCB or the XRF TCB.

System action
An MVS abend 0192 is issued.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHWLFRE

Destination

Console

DFHXG6453I INTERNAL ERROR IN XRF SURVEILLANCE.

Explanation
A consistency check made by the XRF process manager has failed. A process has made an invalid internal lock request.

System action
An MVS abend 0193 is issued.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHWDWAT

Destination

Console

DFHXG6454I PROGRAM CHECK IN XRF SURVEILLANCE. PSW = HEX'xx'. ADDRESS OF EPIE COPY = HEX'xx'.

Explanation
A program check occurred from which the XRF process was unable to recover.

System action
An MVS abend 0194 is issued and a dump is produced.

User response
This is an error in the CICS system. The message gives the PSW at which the check occurred. Further information is preserved in the dump.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHWDSRP

Destination

Console

DFHXG6475 applid iii Backup simlogon(s) abandoned

Explanation
An XRF alternate is taking over, and is processing the last few session tracking requests.

CICS has issued a SIMLOGON for a standby session, but VTAM has not yet returned the logon request to CICS's VTAM logon exit.

Message DFHXG6480 has been issued twice, and CICS has now assumed that the logons will not appear.

Normal processing continues, though the state of the sessions currently pending backup SIMLOGON is unpredictable at the end of CICS initialization.

The reconnection process attempts to BIND these sessions normally.

System action
Normal takeover processing continues.

User response
The CSTL log and CICS trace should be collected.

Module:
DFHZXST
XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHXG6476I applid XRF catch-up abandoned - all XRF alternates signed off

Explanation
A run of the XRF catch-up transaction has been abandoned because there are no XRF alternates. A failing alternate may have issued some messages.

System action
Normal processing continues.

User response
None.

Module: DFHZXCU

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHXG6477I applid Generic and Specific Ids have same value

Explanation
A CICS system has issued the command to re-assign the VTAM USERVAR representing the XRF complex so that from now on logon requests to the XRF complex are directed to this CICS. However, this system is an XRF primary, and the value of the specific ID is the same as the generic ID for the XRF complex.

System action
Normal processing continues.

User response
None. However special care must be taken when using the application ID. You must make it clear whether reference is being made to the CICS system or to the XRF complex.

Module: DFHZXSTS

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHXG6479I applid Modify USERVAR issued unsuccessfully. Return code nn

Explanation
A CICS system has unsuccessfully issued a command to re-assign the VTAM USERVAR representing the XRF complex.

System action
Normal processing continues.

User response
The system operator can issue the command on CICS's behalf. The format is as follows:

F procname,USERVAR,ID=generic-id,VALUE=specific-id

Where:

• 'procname' is the procedure name for VTAM,
• 'generic-ID' is the VTAM application ID for the whole complex, and
• 'specific-ID' is the VTAM application ID for the new CICS

If it is not possible to change the USERVAR, end-user logons which name the generic-ID value continue to be directed to the old specific-applid, with unpredictable results.

(However, logons quoting the specific-ID of the new system are routed to that system.)

Module: DFHZXSTS

XMEOUT parameters/Message inserts
1. applid
2. nn

Destination
Console
**Explanation**

An XRF alternate is taking over, and is processing the last few session tracking requests.

CICS has issued SIMLOGON for a standby session, but VTAM has not yet returned the logon request to the CICS VTAM logon exit.

This message is issued every 5 seconds for 20 seconds while the takeover is being held up.

This indicates either a VTAM error or a CICS logic error.

**System action**

This message is issued twice and then message DFHXG6475 is issued.

**User response**

If this message is repeated look for other evidence of failure in CICS or VTAM.

**Module:** DFHZXQO

**XMEOUT parameters/Message inserts**

1. applid

**Destination**

Console

**Explanation**

CICS has delayed running the reconnection transaction CXRE for an interval of hh hours, mm minutes, ss seconds, to either:

- acquire AUTOCONNECT terminals after a CICS startup, or
- reacquire terminal sessions after an XRF takeover.

The delay value, hh hours, mm minutes, ss seconds, is taken from the AUTCONN system initialization parameter. In the case of XRF takeover, a value calculated from the number of standby BINDs held at the time of takeover. This extra interval allows the switching of XRF-capable terminals before non-XRF sessions are reconnected by CXRE.

**System action**

Normal processing continues.

**User response**

None.

**Module:** DFHSIJ1

**I XMEOUT parameters/Message inserts**

1. applid
2. hh
3. mm
4. ss

**Destination**

Console

**DFHXG6482 applid Unable to issue SETLOGON HOLD (reqcode,reg15,reg0)**

**Explanation**

This message is issued if VTAM SETLOGON START fails during initialization or if in preparation for changing the routing of VTAM logons, this system (which is currently doing an XRF takeover) has attempted to request VTAM to stop passing any more logon requests to it. The attempt failed, and the details of the failure are given in the message, as follows. The first insert is one of the following.

- 'S'?The SETLOGON START request failed.
- 'H'?The SETLOGON HOLD request failed.

The second and third inserts are the values of registers 15 and 0, respectively, at the time of the failure.

See the z/OS Communications Server: SNA Programming manual for your release of VTAM for the interpretation of these values.

Valid logons reaching CICS before message DFHSI1517 is issued may be rejected.

**System action**

Normal processing continues.

**User response**

Note the message.

**Module:** DFHZXSTS
XMEOUT parameters/Message inserts

1. applid
2. reqcode
3. reg15
4. reg0

Destination
Console

**DFHXG6483I** applid This will be the last pass.

Explanation
The reconnection transaction CXRE is about to scan the VTAM terminals and sessions that were to be (re)connected for the last time. All those found are listed in message DFHXG6486.

System action
Processing continues

User response
If any of the VTAM terminals or sessions listed in message DFHXG6486 are crucial, then check whether they are successfully connected as a result of this pass.

Module: DFHZXRE

XMEOUT parameters/Message inserts

1. applid

Destination
Console

**DFHXG6484I** applid Autoconnect processing now complete.

Explanation
The reconnection transaction CXRE has just scanned all the VTAM terminals and sessions, and all those that were to be (re)connected are now connected.

System action
Processing continues

User response
None.

Module: DFHZXRE

XMEOUT parameters/Message inserts

1. applid

Destination
Console

**DFHXG6485** applid Unable to schedule Autoconnection / Reconnection process.

Explanation
CICS initialization attempted to schedule the reconnection process, but was unable to do this as CICS rejected the DFHPC TYPE=LINK call.
See following message DFHXG6487 or DFHXG6488 for the reason.

System action
The reconnection process is not run.

User response
CEMT must be used to restore individual terminals to the desired state.

Module: DFHZOPA

XMEOUT parameters/Message inserts

1. applid

Destination
Console

**DFHXG6486I** applid termid may not be acquired after takeover

Explanation
The reconnection transaction, CXRE, is making its last run, but has discovered that terminal or session termid is still not bound in the same status that it was in during the previous failed run of CICS.

System action
Normal processing continues.
User response
Note the terminal identification termid in the message, and try to discover why previous reconnection attempts failed. The terminal may not have been physically switched, for example, CEMT may be used to acquire individual terminals after such problems have been cleared.

Module: DFHZXRE0

XMEOUT parameters/Message inserts
1. applid
2. termid

Destination
Console

DFHXG6487 applid Unexpected IC/PC error code X'code'. Module modname

Explanation
The reconnection transaction CXRE could not be scheduled or rescheduled, as the DFHIC TYPE=INITIATE or DFHPC TYPE=LINK was rejected with code X'code'. This is caused by a CICS logic error.

This message follows either:
- DFHXG6485 if CICS was unable to schedule CXRE,
- DFHXG6489 if CICS was unable to reschedule CXRE.

System action
The current run of the reconnection transaction is the last one. Message DFHXG6486 is issued for all terminals and sessions found.

User response
If non-XRF terminals are to be reconnected, correct the problem.

Module: DFHSIJ1, DFHZOPA

XMEOUT parameters/Message inserts
1. applid
2. modname

Destination
Console

DFHXG6489 applid Unable to schedule Autoconnection / Reconnection transaction CXRE. Module modname.

Explanation
The reconnection transaction, CXRE, attempted to reschedule itself, but was unable to as CICS interval control rejected the DFHIC TYPE=INITIATE call.
This message is followed either by DFHXG6487 or DFHXG6488, which provides further information about the cause of the error.

**System action**

The current run of the reconnection transaction is the last one. Message DFHXG6486 is issued for all terminals and sessions found.

**User response**

See the following message. CEMT may be used to acquire individual terminals.

*Module:* DFHSIJ1

**XMEOUT parameters/Message inserts**

1. applid
2. modname

**Destination**

Console

**DFHXG6490I** *applid* Reconnecting VTAM session - pass number *xxxx*

**Explanation**

Control has recently been given to CICS after an XRF takeover. The reconnection transaction, CXRE, which attempts to start acquire processing for logical units that were in session in the failed active, has just started for the pass number *xxxx*.

**System action**

Normal processing continues.

**User response**

Note any error messages arising as CICS attempts to reconnect terminals and sessions.

*Module:* DFHZXRE0

**XMEOUT parameters/Message inserts**

1. applid
2. *xxxx*

**Destination**

Console

**DFHXG6491** *applid* Logic error during session tracking. REASON *rcode* terminal/session event

**Explanation**

XRF session tracking encountered an unexpected circumstance probably due to a design error. The reason code (*rcode*) is one of the following.

1. POST called but no pending action for terminal or session.
   
   Inserts:
   
   - name of terminal or session.

2. DFHZXST called with bad request value.

3. XRF-capable session lacks a correlation id.
   
   Inserts:
   
   - name of terminal or session,
   - code for event being tracked.

   The following are valid for DFHSUSX only.
   
   - X’01’?Send sign on data
   - X’02’?Send sign on data (catchup)
   - X’03’?Receive sign on data

   The following are valid for DFHZXST only.
   
   - X’F1’?BIND
   - X’F2’?Free LOGON data
   - X’F3’?UNBIND

4. Could not get key to build tracking message.
   
   Inserts:
   
   - name of terminal or session
   - code for event being tracked (see 3 above)

5. Could not get send tracking message.
   
   Inserts:
   
   - name of terminal or session
   - code for event being tracked (see 3 above)

6. Could not find session named in tracking message.
   
   Inserts:
Illegal entry named in tracking message.
Inserts:
- name of terminal or session
- code for event being tracked (see 3 above)

Bad request code in tracking message.
Inserts:
- name of terminal or session
- bad request code (see 3 above for valid DFHZXST codes)

Correlator in tracking message is longer than 8.
Insert:
- name of terminal or session

Unable to schedule standby BIND.
Insert:
- name of terminal or session

Explanation
The XRF catch-up program encountered an unexpected circumstance probably due to a CICS design error. The reason, indicated by the first insert, is one of the following:

1. Catalog record internal length value not correct.
2. Catalog record format error. There is no room for a key.
3. Catalog record format error. The key is longer than 16.
4. Catalog record too long for buffer (variable CUBUFFER). The second insert gives the required length.
5. Unexpected ABEND or response from EXEC CICS command.
6. Catalog record format error. There is no resource manager prefix.

System action
Normal processing continues.

User response
Note the message. Resources and states may be incorrect should the backup take over. If many of these messages are issued, it is likely that there is a more general problem.

Module:
DFHSUSX, DFHZXST

XMEOUT parameters/Message inserts
1. applid
2. rcode
3. terminal/session
4. event

Destination
Console

DFHXG6492I applid XRF catch-up logic error reason length

2230  CICS TS for z/OS: CICS Messages
DFHXG6493  date time applid XRF tracking record could not be sent xxxx xxxx xxxx xxxx xxxx (Module: modname)

Explanation
The XRF catch-up program obtained a bad return code from the XRF message manager and was unable to send a record that the alternate would require to obtain a correct copy of the active. The inserts (internal diagnostic information) are:

1. WMSRETC
   DFHWMS return code. (For values and meanings of the return codes, refer to the XRF CICS manager request interface block (WMPS) listing in the CICS Data Areas.)
2. WMSREASN
   DFHWMS reason code. (For values and meanings of the reason codes, please refer to the XRF CICS manager request interface block (WMPS) listing in the CICS Data Areas.)
3. XTR-KEY-VALUE is the key of the tracking record.
4. XTR-ID is the record ID, where
   • zero = tracking, and
   • non-zero = catch-up.
5. XTR-TYPE is the record type (see DFHZXTR), where
   • X = tracking control,
   • C = TCT contents,
   • S = ZCP session tracking, and
   • U = sign on data

The message is issued from module modname.

System action
Normal processing continues.

User response
Note the message. Resources and states may be incorrect should the alternate take over. If many of these messages are issued, then it is likely that there is a more general problem.

Module:
DFHZXCU, DFHZXST, DFHTCRP, DFHTBSSP, DFHSUSX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

DFHXG6494I  date time applid XRF session state catch-up ended

Explanation
The XRF catch-up program has just finished an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date with respect to the bound or unbound session states.

System action
Normal processing continues.

User response
None.

Module:
DFHZXCU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CSMT and Console

DFHXG6495I  date time applid XRF session state catch-up started

Explanation
The XRF catch-up program is about to start an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date with respect to the bound or unbound session states.

System action
Normal processing continues.
**User response**
None.

**Module:**  
DFHZXCU

**XMEOUT parameters/Message inserts**
1. date  
2. time  
3. applid

**Destination**  
CSMT

**DFHXG6496I**  
*date time applid* XRF TCT contents  
catch-up ended

**Explanation**
The XRF catch-up program has just finished an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date with respect to the contents of the TCT.

**System action**
Normal processing continues.

**User response**
None.

**Module:**  
DFHZXCU

**XMEOUT parameters/Message inserts**
1. date  
2. time  
3. applid

**Destination**  
CSMT

**DFHXG6497I**  
*date time applid* XRF TCT contents  
catch-up started

**Explanation**
The XRF catch-up program is about to start an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date with respect to the contents of the TCT.

**System action**
Normal processing continues.

**User response**
None.

**Module:**  
DFHZXCU

**XMEOUT parameters/Message inserts**
1. date  
2. time  
3. applid

**Destination**  
CSMT

**DFHXG6498I**  
*date time applid* XRF catch-up ended

**Explanation**
The XRF catch-up program has just finished an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date.

**System action**
Normal processing continues.

**User response**
None.

**Module:**  
DFHZXCU

**XMEOUT parameters/Message inserts**
1. date  
2. time  
3. applid

**Destination**  
CSMT

**DFHXG6499I**  
*date time applid* XRF catch-up started

**Explanation**
The XRF catch-up program is about to start an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date.
System action
Normal processing continues.

User response
None.

Module: DFHZXCU

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CSMT

DFHXG6500I applid Signing on to the CAVM as alternate with generic APPLID genericid

Explanation
This is an informational message issued from the CICS TCB. It indicates that the system is about to sign on to the CICS availability manager (CAVM) as alternate. The message insert provides the generic applid.

System action
CICS initialization is delayed until the sign on request has been processed. In general the delay is insignificant. In those cases where the delay is significant messages are produced by the CAVM to note the reasons.

User response
None.

Module: DFHXRA

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHXG6502I applid Sign on to the CAVM as alternate rejected

Explanation
This is an informational message issued from the CICS TCB. It indicates that the sign on request has been rejected by the CAVM. (Refer to message DFHXG6500.) Messages are produced by the CAVM to note the reasons for rejecting the request.

System action
CICS initialization is terminated.

User response
None.

Module: DFHXRA

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHXG6503I applid Sign on of specificid to the CAVM as active detected.
This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the named active CICS has signed on to the CAVM.

**System action**
CICS initialization continues.

**User response**
None.

**Module:** DFHXRSP

**XMEOUT parameters/Message inserts**
1. `applid`
2. `specificid`

**Destination**
Console

**Explanation**
This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that active CICS has signed off from the CAVM.

**System action**
The action taken depends on the current value of the takeover option. This is specified in the system initialization table. The CEBT SET TAKEOVER command is used to change the value. A takeover request is passed to the CAVM if the current value of the takeover option is either AUTOMATIC or MANUAL.

**User response**
The user response, if any, is installation dependent.

**Module:** DFHXRSP

**XMEOUT parameters/Message inserts**
1. `applid`

**Destination**
Console

**Explanation**
This is an informational message issued from the CICS TCB. It indicates that the system is about to request the CAVM to initiate takeover.

**System action**
CICS initialization continues.

**User response**
None.

**Module:** DFHXRA

**XMEOUT parameters/Message inserts**
1. `applid`

**Destination**
Console

**Explanation**
This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that active CICS has signed off from the CAVM.

**System action**
CICS processing is terminated.

**User response**
None.

**Module:** DFHXRSP

**XMEOUT parameters/Message inserts**
1. `applid`

**Destination**
Console

**Explanation**
This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that active CICS has signed off from the CAVM.

**System action**
CICS initialization continues.

**User response**
None.

**Module:** DFHXRSP

**XMEOUT parameters/Message inserts**
1. `applid`

**Destination**
Console

**Explanation**
This is an informational message issued from the CICS TCB. It indicates that the system is about to request the CAVM to initiate takeover.

**System action**
CICS initialization continues.

**User response**
None.

**Module:** DFHXRA

**XMEOUT parameters/Message inserts**
1. `applid`

**Destination**
Console
Explanation
This is an informational message issued from the CICS TCB. It indicates that the takeover request (refer to message DFHXG6512) has been accepted by the CAVM.

System action
CICS initialization continues.

User response
None.

Module:
DFHXRA

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHXG6514I applid Takeover request rejected by the CAVM

Explanation
This is an informational message issued from the CICS TCB. It indicates that the takeover request (refer to message DFHXG6512) has been rejected by the CAVM. Messages are produced by the CAVM to note the reasons for rejecting the request.

System action
CICS initialization continues.

User response
None.

Module:
DFHXRA

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHXG6516I applid Takeover request rejected by the CAVM

Explanation
This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that active CICS appears to have failed.

System action
The action taken depends on the current value of the takeover option. This is specified in the system initialization table. The CEBT SET TAKEOVER command is used to change the value. A takeover request will be passed to the CAVM if the current value of the takeover option is AUTOMATIC. Message DFHXG6518 will be sent to the console if the current value is MANUAL.

User response
Determine the reason for the apparent failure of active CICS.

Module:
DFHXRSP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHXG6517I applid Recovery of active CICS detected.

Explanation
This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that active CICS has recovered from the apparent failure reported by message DFHXG6516.

System action
CICS initialization continues.

User response
None.

Module:
DFHXRSP

XMEOUT parameters/Message inserts
1. applid
**Destination**

Console

DFHXG6518A  

**applid** APPARENT FAILURE OF ACTIVE CICS DETECTED. REPLY TAKEOVER OR IGNORE

**Explanation**

This is an action message issued from the CICS TCB. It is issued when the current value of the active CICS appears to have failed.

**System action**

If the reply is 'TAKEOVER', CICS requests the CAVM to initiate takeover.

If the reply is 'IGNORE', CICS assumes one of the following:

- The active CICS system recovers from the apparent failure.
- The active CICS system is restarted.
- The CEBT PERFORM TAKEOVER command is used to initiate takeover.

Subsequent events may mean that the user need not reply to message DFHXG6518A. Examples of this are:

- If CICS is notified that the active CICS system has recovered from the apparent failure reported by message DFHXG6516, messages DFHXG6517 and DFHXG6519 are sent to the console.
- If CICS is notified that the active CICS system has signed off abnormally from the CAVM, messages DFHXG6511 and DFHXG6519 are sent to the console.
- If takeover is initiated (from the alternate CICS system) at the same time as the active CICS recovers from the apparent failure reported by message DFHXG6516, messages DFHXG6513 and DFHXG6539 are sent to the console.

**User response**

Determine the reason for the apparent failure of the active CICS. If possible, resolve the failure and make the appropriate reply.

**Module:**

DFHXRSP

DFHXG6519I  

**applid** The reply to message DFHXG6518 is assumed to be IGNORE.

**Explanation**

This is an informational message issued from the CICS TCB. It indicates that CICS no longer requires the user to respond to message DFHXG6518.

**System action**

CICS initialization continues.

**User response**

None.

**Module:**

DFHXRSP

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**

Console

DFHXG6520I  

**applid** CICS shutdown initiated by CAVM event.

**Explanation**

This is an informational message issued from the CICS TCB. CICS initiated shutdown occurs in the following situations:

1. CICS is notified that active CICS has signed off normally from the CAVM. Message DFHXG6507 is sent to the console.
2. CICS is notified that active CICS has been restarted "in place". Message DFHXG6511 is sent to the console.
3. CICS assumes that the active CICS has signed off normally from the CAVM. Message DFHXG6522 is sent to the console.

**System action**

CICS terminates normally, but note that takeover does not occur if (active) CICS fails.

**User response**

Consider restarting (alternate) CICS.

**Module:**

DFHXRSP
XMEOUT parameters/Message inserts

1. applid

Destination
Console

DFHXG6522I applid Sign off normal from the CAVM assumed.

Explanation
This is an informational message issued from the CICS TCB. It indicates that CICS has assumed that the active CICS has signed off from the CAVM. This is likely to occur when the alternate CICS is running on CEC 1 and:

1. Active CICS is started on CEC 2.
2. CEC 2 is reinitialized.
3. Active CICS is restarted on CEC 2.

System action
CICS processing is terminated.

User response
None.

Module:
DFHXRSP

XMEOUT parameters/Message inserts

1. applid

DFHXG6523I applid CAVM failure detected. CICS cannot continue as Alternate.

Explanation
This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the CAVM has failed. Messages are produced by the CAVM to note the reasons for failure.

System action
CICS terminates abnormally. The abend code is 213.

User response
Correct the error.

Module:
DFHXRSP

XMEOUT parameters/Message inserts

1. applid

DFHXG6524I applid CAVM error detected. CICS cannot continue as Alternate.

Explanation
This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the CAVM has detected an error that prevents CICS from continuing as an alternate.

This would be the case, for example, where the alternate CICS has been unable to keep up with the messages generated by the active CICS.

Messages are produced by the CAVM to note the reasons for failure.

System action
CICS terminates abnormally. The abend code is 213.

User response
Correct the error.

Module:
DFHXRSP

XMEOUT parameters/Message inserts

1. applid

DFHXG6539I applid The reply to message DFHXG6518 is assumed to be TAKEOVER.

Explanation
This is an informational message issued from the CICS TCB. It indicates that CICS no longer requires the user to respond to message DFHXG6518.
**DFHXG6680I**  
**applid** TIME-OF-DAY CLOCK DIFFERENCE IS AT LEAST sss SECONDS.

**Explanation**
This is an informational message issued from the CICS TCB. Active CICS and alternate CICS systems are executing on different CECs, and the time-of-day clock on the alternate CEC is earlier than that on the active CEC. If takeover occurs then some CICS processing will have to be delayed until the time-of-day clock on the alternate CEC is later than that on the active CEC. The CAVM has estimated the lower bound to the clock difference and this is at least 15 seconds; the message contains the estimated difference. Note that the lower bound may change as more surveillance signals are processed by the CAVM; message DFHXG6681 will be repeated as necessary.

**System action**
CICS processing continues.

**User response**
Ensure that the time-of-day clocks are synchronized as closely as possible. Note that takeover times may be increased if the difference in values is significant.

**Module:** DFHXRSP

---

**DFHXG6681I**  
**applid** TIME-OF-DAY CLOCK DIFFERENCE IS AT MOST sss SECONDS.

**Explanation**
This is an informational message issued from the CICS TCB. Active CICS and alternate CICS systems are executing on different CECs, and the time-of-day clock on the alternate CEC is earlier than that on the active CEC. If takeover occurs then some CICS processing will have to be delayed until the time-of-day clock on the alternate CEC is later than that on the active CEC. The CAVM has estimated the upper bound to the clock difference and this is at least 15 seconds; the message contains the estimated difference. Note that the upper bound may change as more surveillance signals are processed by the CAVM; message DFHXG6681 will be repeated as necessary.

**System action**
CICS processing continues.

**User response**
Ensure that the time-of-day clocks are synchronized as closely as possible. Note that takeover times may be increased if the difference in values is significant.

**Module:** DFHXRSP

---

**DFHXG6682I**  
**applid** XRF clock synchronization started

**Explanation**
This is an informational message issued from the CICS TCB. The time-of-day clock on the alternate CEC is earlier than that on the active CEC; time dependent processing must be suspended. Such processing is delayed until the time-of-day clock value on the alternate is later than that on the active CEC when the active job terminated.

**System action**
Some CICS initialization continues.

**User response**
Ensure that the time-of-day clocks are synchronized as closely as is possible. Note that takeover times may be increased if the difference in values is significant.

**Module:** DFHXRSP
Module: DFHXRA

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHXG6683I applid XRF clock synchronization ended

Explanation
This is an informational message issued from the CICS TCB. The time-of-day clock on the alternate CEC is now later than that on the active CEC; time dependent processing can be resumed.

DFHXMnnnn messages

DFHXM0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. In some circumstances CICS is terminated directly if the error occurred in a crucial XM domain module.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code in this manual for further guidance.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHXMAT, DFHXMBD, DFHXMCL, DFHXMDD, DFHXMDM, DFHXMER, DFHXMFD, DFHXMIQ, DFHXMLD, DFHXMQD, DFHXMQC, DFHXMRP, DFHXMSR, DFHXMTA, DFHXMXD, DFHXMXE

XMEOUT parameters/Message inserts
1. applid
2. aaa/bbbb
3. X'offset'
4. modname
Destination
Console

DFHXMO002 applid A severe error (code X'code') has occurred in module modname.

Explanation

An error has been detected in module modname. The code X'code' is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System action

An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. In some circumstances CICS is terminated directly if the error is critical.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

If severe error code is X'1112', there are no free transaction numbers to allocate to new transactions as all available transaction numbers are in use. If you are using transaction classes to limit the number of CICS tasks within your system, you should specify a transaction class purge threshold (PURGETHRESH) for any transaction class bearing a heavy transaction load. See the Defining resources and the Improving performance for more information.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHXMAT, DFHXMBD, DFHXMCL, DFHXMDD, DFHXMDM, DFHXMER, DFHXMFD, DFHXMIQ,

DFHXMLD, DFHXMQD, DFHXMQC, DFHXMRP, DFHXMSR, DFHXMTA, DFHXMXD, DFHXMXE

XMEOUT parameters/Message inserts

1. applid
2. X'code'
3. modname

Destination
Console

DFHXMO004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation

A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which happened to be executing at the time when the error was detected.

System action

An exception entry is made in the trace table.

A system dump is taken unless you have specifically suppressed the dump (by a user exit program at the XDUREQ exit, in the dump table or by global system dump suppression). CICS processing continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that execution of module modname is terminated and CICS continues.

If you have specified ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.
If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online using the CEMT transaction.

If raising the ICVR time does not solve the problem, you may need further assistance from IBM to resolve the problem. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHXMAT, DFHXMBD, DFHXMCL, DFHXMDD, DFHXMDM, DFHXMER, DFHXMF, DFHXMIQ, DFHXMLD, DFHXMQD, DFHXMQC, DFHXMRP, DFHXMSR, DFHXMTA, DFHXMFD, DFHXMXE

**XMEOUT parameters/Message inserts**

1. **applid**
2. X‘offset’
3. **modname**

**Destination**

Console

**DFHXM0101**

<table>
<thead>
<tr>
<th>date</th>
<th>time</th>
<th>applid</th>
<th>terminal</th>
<th>userid</th>
<th>tranid</th>
<th>transname</th>
</tr>
</thead>
</table>

**Explanation**

This is an audit log message indicating that transaction definition entry *transname* has been added to the system using the INSTALL command.

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

**System action**

The system continues normally.

**User response**

None.

**Module:**
DFHXMXD

---

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **terminal**
5. **userid**
6. **tranid**
7. **transname**

**Destination**

CSKL

**DFHXM0103**

<table>
<thead>
<tr>
<th>date</th>
<th>time</th>
<th>applid</th>
<th>terminal</th>
<th>userid</th>
<th>tranid</th>
</tr>
</thead>
</table>

**Explanation**

This is an audit log message indicating that transaction definition entry *transname* has been deleted from the system using the DISCARD command.

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

**System action**

The system continues normally.

**User response**

None.

**Module:**
DFHXMDD

---

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **terminal**
5. **userid**
6. **tranid**
7. **transname**
Explanation

Transaction definition transid1 has been installed with the same REMOTENAME and REMOTESYSTEM as transaction definition transid2.

If this CICS system routes a transaction to the CICS system named as the REMOTESYSTEM of both the definitions and that transaction issues an EXEC CICS START request for the transaction-id named as the REMOTENAME of transid1 and transid2, CICS can either attach transid1 or transid2 on the local system to satisfy the START request.

System action

The install of transaction definition transid1 continues normally.

If an EXEC CICS START request is issued on a remote system as described in the message explanation, CICS attaches transid1 and not transid2 on the local system.

CICS does not always resolve this ambiguity in the same way after a warm or emergency restart, however.

User response

This situation usually causes no problems because the correct transaction is attached in the remote system. However, the correct transaction in the local system may not have been attached and this can manifest itself in the following ways:

• Inconsistent statistics being accumulated in the local system.
• The incorrect TRPROF being used when routing the START request back over to the remote system.
• CEMT INQUIRE TASK showing the wrong set of transactions running in the local system.

Although these are not necessarily problems, you may want to check the definitions of the remote transactions in this system in case they have been defined incorrectly.

If remote START requests are issued as described, and it does matter which transaction CICS attaches in the local system, you should modify and reinstall the transaction definition that should not be attached. This removes any ambiguity.

Module: DFHXMXD

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. transname

Destination

CSKL

DFHXM0105  date time applid terminal userid tranid TRANSACTION definition entry for transname has been replaced.

Explanation

This is an audit log message indicating that transaction definition entry transname has been replaced in the system using the INSTALL command.

• terminal is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
• userid is the user identifier of the user associated with the transaction issuing the message.
• tranid is the transaction issuing the message.

System action

The system continues normally.

User response

None.

Module: DFHXMXD

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. transname

Destination

CSKL

DFHXM0110  date time applid Transaction definition transid1 has been installed with the same REMOTENAME and REMOTESYSTEM as existing definition transid2.
Destination

CSMT

DFHXMO111  date time applid Catalog failure while processing {INSTALL | SET | DISCARD} request for transaction definition transid.

Explanation

An error has occurred while altering the catalog during the processing of an install, set, or discard request for transaction definition transid.

System action

The request continues as normal.

Depending upon the error that has occurred with the catalog, there may be severe problems if a warm or emergency restart of CICS is attempted. The catalog domain will have issued a message outlining the problem in this case.

Alternatively the problem may only be local to the catalog record containing the image of transaction definition transid and the following problems may occur only on a warm or emergency restart.

INSTALL

If it is a reinstall, the old version of the transaction definition is recovered. If it is an install, the transaction definition is not recovered.

SET

The change requested by the SET is not recovered. Instead the transaction definition is recovered to the state prior to the SET request being issued.

DISCARD

The transaction definition is recovered on the restart even though it is currently discarded.

User response

No immediate action is required. Consider performing a cold or initial start the next time CICS is restarted to remedy the problem. If a cold or initial start is not appropriate and the problem is only localized to transaction definition transid, remedy the effects outlined for each case previously.

For example,

INSTALL

Reinstall the tranclass definition after the restart.

SET

Reissue the SET command after CICS has been restarted.

DISCARD

Reissue the DISCARD command after CICS has been restarted.

If the catalog problem persists after the restart, you need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:

DFHXMD, DFHMXD

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. Value chosen from the following options:
   1=INSTALL,
   2=SET,
   3=DISCARD
5. transid

Destination

Console and CSMT

DFHXMO112  date time applid The install of transaction definition transid1 has removed ALIAS alias of transid2.

Explanation

Transaction definition transid1 has been installed with an ALIAS of alias. However, ALIAS alias currently invokes transaction definition transid2.

System action

The install of transid1 continues as normal.

The ALIAS alias now invokes transaction definition transid1 and not transid2 as previously.

User response

If removal of transaction definition transid2’s ALIAS was expected, no action is required. However,
transaction definition transid2 should be modified on the CSD so that it no longer specifies the ALIAS.

If the ALIAS has been removed in error, reinstall transaction definition transid2 to reinstate its ALIAS. Transaction definition transid1 should be modified on the CSD so that it no longer specifies the ALIAS.

Module:
DFHXMXD

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. transid1
5. alias
6. transid2

Destination

CSMT

DFHXM0113 date time applid The install of transaction definition transid1 has removed TASKREQ taskreq of transid2.

Explanation

Transaction definition transid1 has been installed with a TASKREQ of taskreq. However, TASKREQ taskreq currently invokes transaction definition transid2.

System action

The install of transid1 continues as normal. The TASKREQ taskreq now invokes transaction definition transid1 and not transid2 as previously.

User response

If removal of transaction definition transid2’s TASKREQ was expected, no action is required. However, transaction definition transid2 should be modified on the CSD so that it no longer specifies the TASKREQ.

If the TASKREQ has been removed in error, reinstall transaction definition transid2 to reinstate its TASKREQ. Transaction definition transid1 should be modified on the CSD so that it no longer specifies the TASKREQ.

Module:
DFHXMXD

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. transid1
5. taskreq
6. transid2

Destination

CSMT

DFHXM0114 date time applid The install of transaction definition transid1 has removed XTRANID X'xtranid' of transid2.

Explanation

Transaction definition transid1 has been installed with a XTRANID of xtranid. However, XTRANID xtranid currently invokes transaction definition transid2.

System action

The install of transid1 continues as normal. The XTRANID xtranid now invokes transaction definition transid1 and not transid2 as previously.

User response

If removal of transaction definition transid2’s XTRANID was expected, no action is required. However, transaction definition transid2 should be modified on the CSD so that it no longer specifies the XTRANID.

If the XTRANID has been removed in error, reinstall transaction definition transid2 to reinstate its XTRANID. Transaction definition transid1 should be modified on the CSD so that it no longer specifies the XTRANID.

Module:
DFHXMXD

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. transid1
5. X'xtranid'
6. transid2
The install of transaction definition transid1 has removed TPNAME tpname of transid2.

Transaction definition transid1 has been installed with a TPNAME of tpname. However, TPNAME tpname currently invokes transaction definition transid2.

The install of transid1 continues as normal. The TPNAME tpname now invokes transaction definition transid1 and not transid2 as previously.

If removal of transaction definition transid2's TPNAME was expected, no action is required. However, transaction definition transid2 should be modified on the CSD so that it no longer specifies the TPNAME.

If the TPNAME has been removed in error, reinstall transaction definition transid2 to reinstate its TPNAME. Transaction definition transid1 should be modified on the CSD so that it no longer specifies the TPNAME.

If the transaction is not executed, you may wish to investigate why the transaction definition has been installed. It could be that the transaction is defined in an RDO group that is shared between a number of different CICS systems. For example transid may be TTT1 in the following pair of definitions used to implement transaction routing to this local system CICB.

<table>
<thead>
<tr>
<th>Transaction</th>
<th>Remotesystem</th>
<th>Remotename</th>
</tr>
</thead>
<tbody>
<tr>
<td>TTT1</td>
<td>CICB</td>
<td>TTT2</td>
</tr>
<tr>
<td>TTT2</td>
<td>-</td>
<td>PROGA</td>
</tr>
</tbody>
</table>

In this example, a single definition would suffice if the transaction was made to have the same name on this system.

This message is issued for information only. There is no problem if transaction transid is not executed on this system. If it is to be executed, the definition of transid needs to be modified and then reinstalled.

If the transaction is not executed, you may wish to investigate why the transaction definition has been defined with a REMOTESYSTEM equal to the local system, a program is required if the transaction is executed on this system.

Any attempt to run the transaction transid will fail because there is no program to link to.

If the transaction is not executed, you may wish to investigate why the transaction definition has been installed.

In this example, a single definition would suffice if the transaction was made to have the same name on this system.

Chapter 2. CICS messages 2245
**Explanation**

This is an audit log message indicating that tranclass definition entry *transname* has been added to the system using the INSTALL command.

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

**System action**

The system continues normally.

**User response**

None.

**Module:** DFHXMCL

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *terminal*
5. *userid*
6. *tranid*
7. *transname*

**Destination**

CSKL

If there is no terminal associated with the transaction, the terminal name is suppressed.

**Explanation**

This is an audit log message indicating that tranclass definition entry *transname* has been replaced in the system using the INSTALL command.

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

**System action**

The system continues normally.

**Destination**

CSKL

DFHXM0203 *date time applid terminal userid tranid TRANCLASS definition entry for tranclassname has been deleted.*

If there is no terminal associated with the transaction, the terminal name is suppressed.
User response
None.

Module:
DFHXMCL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. terminal
5. userid
6. tranid
7. tranclassname

Destination
CSKL

DFHXMO211 date time applid Catalog failure while processing [INSTALL | SET | DISCARD] request for TRANCLASS definition tranclassname.

Explanation
An error has occurred while altering the catalog during the processing of an install, set, or discard request for tranclass definition tranclassname.

System action
The request continues normally.

Depending upon the error that has occurred with the catalog, there may be severe problems if a warm or emergency restart of CICS is attempted. The catalog domain will have issued a message outlining the problem in this case.

Alternatively the problem may only be local to the catalog record containing the image of tranclass definition tranclassname and the following problems may occur only on a warm or emergency restart.

INSTALL
If it is a reinstall, the old version of the tranclass definition is recovered. If it is an install, the tranclass definition was not recovered.

SET
The change requested by the SET is not recovered. Instead the tranclass definition is recovered to the state it was in before the SET request was issued.

DISCARD
The tranclass definition is recovered on the restart even though it is currently discarded.

User response
No immediate action is required. To fully resolve the problem, consider performing a cold or initial start the next time CICS is restarted. If a cold or initial start is not appropriate and the problem is only localized, to tranclass definition tranclassname, you can resolve each of the symptoms separately.

For example:

INSTALL
Reinstall the tranclass definition after CICS has been restarted.

SET
Reissue the SET command after CICS has been restarted.

DISCARD
Reissue the DISCARD command after CICS has been restarted.

If the catalog problem persists after the restart, you may need further assistance from IBM to resolve the problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHXMCL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=INSTALL,
   2=SET,
   3=DISCARD
5. tranclassname

Destination
CSMT and Console

DFHXMO212 applid Transaction transid has been attached with unknown TRANCLASS tranclassname.
Explanation
Transaction *transid* has just been attached. It is defined as belonging to tranclass *tranclassname* but *tranclassname* does not exist.

This message is only issued the first time transaction *transid* is attached with the unknown tranclass.

System action
The attach of transaction *transid* proceeds as normal but without being subject to any tranclass scheduling constraints.

User response
If transaction *transid* should belong to tranclass *tranclassname*, install that tranclass. If not, modify the transaction definition for *transid* as appropriate, and reinstall.

The CEDA CHECK command can be used to ensure that each of the tranclasses referenced by transaction definitions are defined within the same startup GRPLIST.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module: DFHXMQC

XMEOUT parameters/Message inserts
1. *applid*
2. *transid*
3. *tranclassname*

Destination
Console

DFHX0213 *applid* Insufficient storage for system attach of transaction *transid*.

Explanation
There is insufficient storage for a new task to be created for the attach of transaction *transid*.

Since the majority of the storage required for the new task is obtained from DSA storage, CICS is probably short on storage in one of the DSAs.

System action
The attach request is queued. It is retried later when more storage should have become available. If the retried attach fails, it is queued and retried repeatedly until it succeeds.

User response
If CICS is short on storage, message DFHSM0133 is also issued. Refer to that message for advice on how to resolve the condition.

If message DFHSM0133 has not been issued, the problem has been caused by insufficient MVS storage. In this case consider lowering the EDSALIM of the system to increase the amount of available MVS storage.

Note:
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module: DFHXMAT

XMEOUT parameters/Message inserts
1. *applid*
2. *transid*

Destination
Console

DFHX0301 *DATE TIME APPLID* An attempt to link to the user-replaceable transaction restart program (DFHREST) has failed for task number *tasknum*. Transaction restart is not performed for transaction *TRANID*.

Explanation
A restartable transaction abended and the transaction manager attempted to link to the user-replaceable transaction restart program (DFHREST) but the link has failed. Likely reasons are:

- DFHREST is not defined (and not autoinstalled)
- DFHREST is not present in any library specified in the DFHRPL concatenation.
- DFHREST has been linked with AMODE(24).

System action
The transaction is not restarted.
User response

If the problem is not rectified, a message is issued each time the link to DFHREST fails. To avoid this, ensure that DFHREST is properly defined and present in a library specified in the DFHRPL concatenation.

See the Developing system programs for CICS for more information about user-replaceable programs.

Module:
DFHXMTA.

XMEOUT parameters/Message inserts

1. DATE
2. TIME
3. APPLID
4. tasknum
5. TRANID

Destination

CSMT and Console

DFHXM0302 applid An abend abcode occurred in the user-replaceable transaction restart program (DFHREST) under task number tasknum. Transaction restart is not performed for transaction TRANID.

Explanation

A restartable transaction abended and the transaction manager linked to the user-replaceable transaction restart program (DFHREST). DFHREST abended.

System action

The transaction is not restarted.

User response

If the problem is not rectified, a message is issued each time DFHREST abends. To avoid this, fix the problem in DFHREST and ensure that it is properly defined and present in a library specified in the DFHRPL concatenation.

See the Developing system programs for CICS for more information about user-replaceable programs.

Module:
DFHXMTA.

XMEOUT parameters/Message inserts

1. applid
2. abcode
3. tasknum
4. TRANID

Destination

Console

DFHXM0303 applid A severe error (code X'code') has occurred while initializing task number tasknum with transaction identifier tranid. Terminal termid has not been released. The task is suspended indefinitely.

Explanation

An internal error has prevented the initialization of task number tasknum with identifier tranid.

The task cannot run and cannot be abended. The principal facility of the task is a terminal. No message may be sent to the terminal and it is unusable by CICS. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry to always terminate CICS on this message.

System action

The task is suspended indefinitely. First failure diagnostics should be produced by the component which first detects the error. The transaction manager also takes a dump. Message DFHME0116, which contains the symptom string for this problem, is produced.

The terminal principal facility of the task is unusable by CICS until CICS is canceled.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

User response

You must cancel CICS if you need to release the terminal associated with the task. You cannot quiesce CICS since this task will not terminate. You cannot purge or force-purge the task.
Note the error code X'code'. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHXMTA.

**XMEOUT parameters/Message inserts**
1. applid
2. X'code'
3. tasknum
4. tranid
5. termid

**Destination**
Console

DFHXM0304 applid A severe error (code X'code') has occurred while initializing task number tasknum with transaction identifier tranid. Transient data queue tdqueue has not been released. The task is suspended indefinitely.

**Explanation**
An internal error has prevented the initialization of task number tasknum with identifier tranid.
The task cannot run and cannot be abended. The principal facility of the task is a transient data queue. The TD queue will not trigger another task until CICS is terminated. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.
The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry always to terminate CICS on this message.

**System action**
The task is suspended indefinitely. First failure diagnostics should be produced by the component which first detects the error. The transaction manager also takes a dump. Message DFHME0116, which contains the symptom string for this problem, is produced.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

**User response**
You must cancel CICS if you need to release the TD queue associated with the task. You cannot quiesce CICS since this task will not terminate. You cannot purge or force-purge the task.

Note the error code X'code'. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Note:**
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

**Module:**
DFHXMTA.

**XMEOUT parameters/Message inserts**
1. applid
2. X'code'
3. tasknum
4. tranid
5. tdqueue

**Destination**
Console

DFHXM0305 applid A severe error (code X'code') has occurred while initializing task number tasknum with transaction identifier tranid. The interval control element has not been released. The task is suspended indefinitely.

**Explanation**
An internal error has prevented the initialization of task number tasknum with identifier tranid.
The task cannot run and cannot be abended. The principal facility of the task is an interval control element. Any start data associated with the ICE will not be retrieved. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.
The suspended task will hold its MXT slot until CICS is terminated.

The task is suspended indefinitely. First failure diagnostics should be produced by the component which first detects the error. The transaction manager also takes a dump. Message DFHME0116, which contains the symptom string for this problem, is produced.
Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry always to terminate CICS on this message.

**System action**

The task is suspended indefinitely. First failure diagnostics should be produced by the component which first detects the error. The transaction manager also takes a dump. Message DFHME0116, which contains the symptom string for this problem, is produced.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

**User response**

You must cancel CICS if you need to destroy the task. Any start data will remain in temporary storage until it is deleted unless it is nonrecoverable in which case it will disappear on the next cold, initial or emergency restart of CICS. You cannot quiesce CICS since this task will not terminate. You cannot purge or force-purge the task.

Note the error code X’code’. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHXMTA.

**XMEOUT parameters/Message inserts**

1. applid
2. X’code’
3. tasknum
4. tranid

**Destination**

Console

DFHXM0306 applid A severe error (code X’code’) has occurred while initializing task number tasknum with transaction identifier tranid. The task is suspended indefinitely.

**Explanation**

An internal error has prevented the initialization of task number tasknum with identifier tranid.

The task cannot run and cannot be abended. The task has no principal facility bound to it. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry always to terminate CICS on this message.

**System action**

The task is suspended indefinitely. First failure diagnostics should be produced by the component which first detects the error. The transaction manager also takes a dump. Message DFHME0116, which contains the symptom string for this problem, is produced.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

**User response**

You must cancel CICS if you need to destroy the task. You cannot quiesce CICS since this task will not terminate. You cannot purge or force-purge the task.

Note the error code X’code’. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHXMTA.

**XMEOUT parameters/Message inserts**

1. applid
2. X’code’
3. tasknum
4. tranid

**Destination**

Console

DFHXM0307 applid A severe error (code X’code’) has occurred while terminating task number tasknum with transaction identifier tranid. The terminal termid has not been
An internal error has prevented the termination of task number \textit{tasknum} with identifier \textit{tranid}. It is not possible to abend the task or send a message to its terminal principal facility. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry to always terminate CICS on this message.

**System action**

The task is suspended indefinitely. First failure diagnostics should be produced by the component which detected the error. The transaction manager also takes a dump. Message DFHME0116, which contains the symptom string for this problem, is produced.

The terminal principal facility of the task is unusable until CICS is canceled.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

**User response**

You must cancel CICS if you need to free up the terminal associated with the task. You cannot quiesce CICS since this task will not terminate. You cannot purge or force purge the task.

Note the error code \textit{X'code'}. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHXMTA.

**XMEOUT parameters/Message inserts**

1. \texttt{applid}
2. \texttt{X'code'}
3. \texttt{tasknum}
4. \texttt{tranid}

---

An internal error has prevented the termination of task number \textit{tasknum} with identifier \textit{tranid}. It is not possible to abend the task. The principal facility of the task is a transient data queue. The TD queue will not trigger another task until CICS is terminated. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry to always terminate CICS on this message.

**System action**

The task is suspended indefinitely. First failure diagnostics should be produced by the component which detected the error. The transaction manager also takes a dump. Message DFHME0116, which contains the symptom string for this problem, is produced.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

**User response**

You must cancel CICS if you need to free up the transient data queue associated with the task. You cannot quiesce CICS since this task will not terminate. You cannot purge or force purge the task.

Note the error code \textit{X'code'}. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Note:**
Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHXMTA.

**XMEOUT parameters/Message inserts**

1. applid
2. X'code'
3. tasknum
4. tranid
5. tdqueue

**Destination**
Console

DFHXM0309 **applid A severe error (code X'code') has occurred while terminating task number tasknum with transaction identifier tranid. The interval control element has not been released. The task is suspended indefinitely.**

**Explanation**
An internal error has prevented the termination of task number tasknum with identifier tranid. It is not possible to abend the task. The principal facility of the task is an interval control element. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry to always terminate CICS on this message.

**System action**
The task is suspended indefinitely. First failure diagnostics should be produced by the component which detected the error. The transaction manager also takes a dump. Message DFHME0116, which contains the symptom string for this problem, is produced.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

**User response**
You must cancel CICS if you need to destroy the ICE associated with the task. Any start data remains in temporary storage until it is deleted unless it is nonrecoverable, in which case it disappears on the next cold, initial or emergency restart of CICS. You cannot quiesce CICS since this task does not terminate. You cannot purge or force purge the task.

Note the error code X'code'. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHXMTA.

**XMEOUT parameters/Message inserts**

1. applid
2. X'code'
3. tasknum
4. tranid

**Destination**
Console

DFHXM0310 **applid A severe error (code X'code') has occurred while terminating task number tasknum with transaction identifier tranid. If the task had a principal facility, it has been released. The task is suspended indefinitely.**

**Explanation**
An internal error has prevented the termination of task number tasknum with identifier tranid. It is not possible to abend the task. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry always to terminate CICS on this message.
System action

If the task had a principal facility, it has been released. If this was a terminal, the terminal should be usable by CICS.

The task is suspended indefinitely. First failure diagnostics should be produced by the component which detects the error. The transaction manager also takes a dump. Message DFHME0116, which contains the symptom string for this problem, is produced.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

User response

You cannot quiesce CICS since this task will not terminate. You cannot purge or force-purge the task.

Note the error code X'code'.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHXMTA.

XMEOUT parameters/Message inserts

1. applid
2. X'code'
3. tasknum
4. tranid

Destination

Console

DFHXM0311 applid A severe error (code X'code') has occurred while initializing task number tasknum with transaction identifier tranid. Scheduler resources associated with the task have not been released. The task is suspended indefinitely.

Explanation

An internal error has prevented the initialization of task number tasknum with identifier tranid.

The task cannot run and cannot be abended. The principal facility of the task is the scheduler. The scheduler will not initiate another task until CICS is terminated. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues), so you should cancel CICS at your earliest convenience. Otherwise, you risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry to always terminate CICS on production of this message.

System action

The task is suspended indefinitely. First failure diagnostics should be produced by the component which first detects the error. The transaction manager also takes a dump. Message DFHME0116, which contains the symptom string for this problem, is produced.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

User response

You must cancel CICS if you need to release the resources associated with the task. You cannot quiesce CICS since this task will not terminate. You cannot purge or force-purge the task.

Note the error code X'code'. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Note:

Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Module:
DFHXMTA.

XMEOUT parameters/Message inserts

1. applid
2. X'code'
3. tasknum
4. tranid

Destination

Console

DFHXM0501 applid CICS cannot satisfy request for MXT. Value mxtvalue has been used instead.
**Explanation**

The value entered for MXT cannot be handled by the system. \textit{mxtvalue} is the largest value for which CICS has been able to acquire task storage.

The majority of the task storage required is now acquired from CICS DSAs.

**System action**

The system continues to run with a MXT value of \textit{mxtvalue}.

**User response**

Check that the original value entered for MXT was correctly typed. If the value is mistyped, use CEMT to amend the MXT value (you are unlikely to be able to force the value higher). Remember that MXT now only includes user tasks and so it should not need to be set to a value as high as in previous releases.

If the value \textit{mxtvalue} is acceptable, no action is necessary.

If the value \textit{mxtvalue} is too small, check to see which programs, apart from CICS, are running in this region. To relieve the storage constraint, either increase the DSALIM or EDSALIM of the system to give CICS more storage for its own use. For further details about storage allocation at initialization, see the \textit{Installing CICS TS}.

**Module:**
DFHXMSR

**XMEOUT parameters/Message inserts**

1. \textit{applid}
2. \textit{mxtvalue}

**Destination**

Console

**DFHXM0502** \textit{applid} A catalog failure has occurred while saving the MXT setting.

**Explanation**

An error has occurred while saving the requested MXT setting on the catalog.

**System action**

The requested MXT change request continues as normal.

Depending upon the error that has occurred with the catalog, there may be severe problems if a warm or emergency restart of CICS is attempted. The catalog domain will have issued a message outlining the problem in this case.

Alternatively the problem may only be local to the catalog record containing the MXT value and only it may not be recovered on a warm or emergency restart.

**User response**

No immediate action is required. Consider performing a cold or initial start, with the required MXT value specified in the SIT the next time CICS is restarted. If a cold start is not appropriate, add MXT as a SIT override specifying the required MXT value.

**Module:**
DFHXMSR

**XMEOUT parameters/Message inserts**

1. \textit{applid}

**Destination**

Console

**DFHXM0503** \textit{applid} CICS cannot support minimum MXT value of \textit{minmxt}. CICS is terminated.

**Explanation**

A severe lack of storage has resulted in CICS not being able to acquire enough task storage to satisfy even the minimum MXT value of \textit{minmxt}.

CICS cannot perform any useful work without \textit{minmxt} number of user tasks.

**System action**

CICS is terminated.

**User response**

Investigate why there is insufficient storage for CICS to support such a low number of user tasks.

To relieve the storage constraint, either increase the DSALIM or EDSALIM of the system to give CICS more storage for its own use. For further details about storage allocation at initialization, see the \textit{Installing CICS TS}.

**Module:**
DFHXMSR
XMEOUT parameters/Message inserts

1. applid
2. minmxt

Destination
Console

**DFHXM0600**

*date time applid BUNDLE
bundlename has successfully
installed TRANSACTION trandef as
{Enabled | Disabled}.*

Explanation

The CICS bundle *bundlename* has successfully installed TRANSACTION *trandef*.

System action

CICS continues normally.

User response

None.

Module:
DFHXMRCL

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. bundlename
5. trandef
6. Value chosen from the following options:
   1=Enabled,
   2=Disabled

Destination
CSMT

**DFHXM0601**

*date time applid BUNDLE
bundlename has failed to install
TRANSACTION trandef because
{the definition is invalid | of an
installation failure | an internal
error occurred}.*

**Explanation**

The CICS bundle *bundlename* has failed to install TRANSACTION *trandef*. The reason for the error is also given.

**System action**

The BUNDLE resource is disabled and the TRANSACTION is not created.

**User response**

Investigate and correct the cause of the failure. Check for any previous messages which may give you more information about the reason for the failure as follows:

- **definition is invalid**
  Check for a preceding DFHCAnnnn message. For example DFHCA5529 is output if a required attribute is missing.

- **installation failure**
  Check for a preceding DFHAMnnnn console message. For example DFHAM4950 is output if a TRANSACTION with the same name already exists.

- **Discard and reinstall the BUNDLE resource.**

**Module:**
DFHXMRCL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. bundlename
5. trandef
6. Value chosen from the following options:
   1=the definition is invalid,
   2=of an installation failure,
   3=an internal error occurred

**Destination**
CSMT

**DFHXM0602**

*date time applid Transaction name
was not specified or is too long in
BUNDLE bundlename.*
Explanation
The CICS bundle **bundlename** has failed to install a TRANSACTION because the resource name was not specified or was too long.

System action
The BUNDLE resource is disabled and the TRANSACTION is not created.

User response
Correct the name of the transaction resource in the bundle manifest file. Discard and reinstall the BUNDLE resource.

Module:
DFHXMRL

**XMEOUT** parameters/Message inserts
1. date
2. time
3. applid
4. bundlename

Destination
CSMT

**DFHX0603 I**
```
date time applid numICEs
scheduled tasks for Bundle installed TRANSACTION trandef have been cancelled.
```

Explanation
Bundle installed TRANSACTION trandef is being disabled. As part of this process, all scheduled work for the transaction is cancelled.

System action
The Interval Control Elements associated with the Transaction are cancelled.

User response
If this behaviour is undesirable, consider redeploying the Transaction into a separate Bundle.

Module:
DFHXMXD

**XMEOUT** parameters/Message inserts
1. date

---

**Explanation**
The CICS BUNDLE resource **currentbundlename** has failed to define the resource as an entry point as it has already been identified as an entry point by BUNDLE **bundlename**.

**System action**
The BUNDLE resource is disabled and the entry point is not updated.

**User response**
To update the entry point, disable BUNDLE resource **bundlename** and enable BUNDLE resource **currentbundlename**.

Module:
DFHXMRL

**XMEOUT** parameters/Message inserts
1. date
2. time
3. applid
4. **currentbundlename**
5. trandef
6. **bundlename**

**Destination**
CSMT

**DFHX0605**
```
date time applid BUNDLE resource **bundlename** has made {available | unavailable} the application entry point for TRANSACTION trandef with operation **operationname**.
```

---

Chapter 2. CICS messages 2257
Explanation
The CICS BUNDLE resource *bundlename* has successfully made available or unavailable an application entry point for the TRANSACTION *trandef*.

When the application entry point is available CICS will set the application context on tasks attached for the TRANSACTION.

System action
CICS continues normally.

User response
After making the application entry point unavailable the entry point will remain associated with the TRANSACTION resource until the bundle is disabled.

Module:
DFHXMRL

XMEOUT parameters/Message inserts
1. *date*
2. *time*
3. *applid*
4. *bundlename*
5. Value chosen from the following options:
   - 1=available,
   - 2=unavailable
6. *trandef*
7. *operationname*

Destination
CSMT

DFHXM0606

Explanation
The CICS BUNDLE resource *bundlename* has successfully associated or disassociated an application entry point with the TRANSACTION *trandef*.

Only one application entry point can be associated with a TRANSACTION resource at any time. To associate or disassociate an application entry point with the TRANSACTION resource you must enable or disable the CICS bundle, respectively.

System action
CICS continues normally.

User response
After associating an application entry point with the TRANSACTION resource make the bundle available to allow the application operation to be set with the TRANSACTION resource or disable the bundle to remove the association of the application entry point with the TRANSACTION resource.

Module:
DFHXMRL

XMEOUT parameters/Message inserts
1. *date*
2. *time*
3. *applid*
4. *bundlename*
5. Value chosen from the following options:
   - 1=associated,
   - 2=disassociated
6. *operationname*
7. *trandef*

Destination
CSMT

DFHXM0607

Explanation
The CICS BUNDLE resource *bundlename* has failed to enable TRANSACTION *trandef* as an entry point for operation *operationname* because {the TRANSACTION does not exist. | an internal error occurred. | the TRANSACTION resource name is invalid. | the TRANSACTION resource is already defined as an application entry point.}

Explanation
The CICS BUNDLE resource *bundlename* has failed to enable TRANSACTION *trandef* as an entry point for operation *operationname*. The reason for the error is also given.
**System action**
The BUNDLE resource is disabled.

**User response**
Investigate and correct the cause of the failure. If updates are needed to the &lt;modify&gt; statement in the bundle manifest file then discard and reinstall the BUNDLE.

**Module:** DFHXMRL

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. bundlename
5. trandef
6. operationname
7. Value chosen from the following options:
   1=the TRANSACTION does not exist.,
   2=an internal error occurred.,
   3=the TRANSACTION resource name is invalid.,
   4=the TRANSACTION resource is already defined as an application entry point.

**Destination**
CSMT

**Explanation**
This is an audit log message indicating the availability of TRANSACTION trandef. The availability can be modified by the application entry point associated with the TRANSACTION resource.

**System action**
The system continues normally.

**User response**
None.

**Module:** DFHXMRL

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. trandef
6. Value chosen from the following options:
   1=been set to available,
   2=been set to unavailable,
   3=reverted to none

**Destination**
CSMT

**Explanation**
The CICS BUNDLE resource bundlename has successfully made available or unavailable an application entry point for TRANSACTION trandef.

When the application entry point is available CICS will set the application context on tasks attached for the TRANSACTION.

**System action**
The system continues normally.

**User response**
After making the application entry point unavailable the entry point will remain associated with the TRANSACTION resource until the bundle is disabled.

**Module:** DFHXMRL
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. bundlename
5. Value chosen from the following options:
   1=available,
   2=unavailable
6. trandef
7. operationname
8. applicationname
9. majorversion
10. minorversion
11. microversion
12. platformname

Destination
CSMT

DFHXM0610  *date* time applid BUNDLE resource 
bundlename has (associated / disassociated) an application entry 
point for operation operationname of application applicationname, 
version 
majorversion.minorversion.microversion on platform platformname 
with TRANSACTION trandef.

Explanation
The CICS BUNDLE resource bundlename has successfully associated or disassociated an application entry point with the TRANSACTION trandef.

Only one application entry point can be associated with a TRANSACTION resource at any time. To associate or disassociate an application entry point with the TRANSACTION resource you must enable or disable the CICS bundle, respectively.

System action
CICS continues normally.

User response
After associating an application entry point with the TRANSACTION resource make the bundle available to allow the application operation to be set with the TRANSACTION resource or disable the bundle to remove the association of the application entry point with the TRANSACTION resource.

Module:
DFHXMRL

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. bundlename
5. Value chosen from the following options:
   1=associated,
   2=disassociated
6. trandef
7. operationname
8. applicationname
9. majorversion
10. minorversion
11. microversion
12. platformname

Destination
CSMT

DFHXM0611  *date* time applid userid tranid An 
application entry point for operation operationname of application applicationname, 
version majorversion.minorversion.microversion on platform platformname 
has been set disabled and unavailable because TRANSACTION trandef has been (replaced / deleted).

Explanation
An application entry point for operationname of application applicationname version majorversion.minorversion.microversion on platform platformname has been set disabled and unavailable because the public TRANSACTION trandef which was adopted by the application as a transaction entry point has been either deleted or replaced.

System action
CICS continues normally.
User response
To make the application entry point available again first reinstall the transaction if it was deleted, and then enable the bundle and set it available.

**Module:**
DFHXMDD, DFHXMXD

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. userid
5. tranid
6. operationname
7. applicationname
8. majorversion
9. minorversion
10. microversion
11. platformname
12. trandef
13. Value chosen from the following options:
   1. replaced,
   2. deleted

**Destination**
CSMT

**DFHXOOnnnn messages**

**DFHXO6700**

| OPTION STARTING xxx HAS ILLEGAL SYNTAX. |

**Explanation**
The option xxx has illegal syntax.

**System action**
The overseer program is abnormally terminated after completion of parameter analysis.

**User response**
Correct the error and resubmit the overseer program.

**Module:**
DFHWOSA

**Destination**
Console
DFHXO6702  JOB STEP IS NOT APF-AUTHORIZED.

Explanation
Part of CICS initialization must be done in an APF-authorized state. The kernel has detected that DFHSIP is not APF-authorized.

System action
The overseer program is abnormally terminated.

User response
Ensure that the job step is APF-authorized. All libraries concatenated in the STEPLIB concatenation should be APF-authorized, and DFHSIP should be link-edited with an authorization code of 1.

Module: DFHWOSA

Destination
Console

DFHXO6703  UNABLE TO SET UP AUTHORIZED FACILITY.

Explanation
Insufficient storage is available to initialize the authorized facility required by the overseer.

System action
The overseer program is abnormally terminated.

User response
Ensure that the REGION parameter is sufficiently large.

Module: DFHWOSA

Destination
Console

DFHXO6705  xxx OPTION IS MISSING.

Explanation
The option xxx may not be omitted.

System action
The overseer program is abnormally terminated after completion of parameter analysis.

User response
Correct the error and resubmit the overseer program.

Module: DFHWOSA

Destination
Console

DFHXO6706  CYTIM OPTION MUST BE IN RANGE 20 TO 32767.

Explanation
The CYTIM option must fall within the range 20 through 32767.

System action
The overseer program is abnormally terminated after completion of parameter analysis.

User response
Correct the error and resubmit the overseer program.

Module: DFHWOSA

Destination
Console
DFHXO6707  VALUE OF xxx OPTION IS LONGER THAN 5 DIGITS.

**Explanation**
The value of the given numeric option must occupy no more than five digits.

**System action**
The overseer program is abnormally terminated after completion of parameter analysis.

**User response**
Correct the error and resubmit the overseer program.

**Module:** DFHWOSA

**Destination**
Console

DFHXO6708  VALUE OF xxx OPTION IS NON-NUMERIC.

**Explanation**
The value of the option xxx must be numeric.

**System action**
The overseer program is abnormally terminated after completion of parameter analysis.

**User response**
Correct the error and resubmit the overseer program.

**Module:** DFHWOSA

**Destination**
Console

DFHXO6709  VALUE OF xxx OPTION IS LONGER THAN 8 CHARACTERS.

**Explanation**
The value of option xxx must occupy no more than eight characters.

**System action**
The overseer program is abnormally terminated after completion of parameter analysis.

DFHXO6712  xxx IS AN INVALID OPTION KEYWORD.

**Explanation**
The specified keyword xxx is an invalid option.

**System action**
Option xxx is ignored.

**User response**
Correct the error.

**Module:** DFHWOSA

**Destination**
Console

DFHXO6720  THE CICS XRF OVERSEER HAS RECEIVED AN INVALID RESPONSE TO A SUBSYSTEM INTERFACE REQUEST.

**Explanation**
Overseer services has received an inconsistent response to an MVS subsystem interface request for job status. The response indicates insufficient storage although more than the indicated necessary amount is provided.

**System action**
A dump is taken and the overseer job abnormally terminates with MVS user abend code 224.

**User response**
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHWOSB
DFHX06721  THE CICS XRF OVERSEER HAS BEEN UNABLE TO GET STORAGE FOR A SUBSYSTEM INTERFACE REQUEST.

Explanation
The XRF overseer application program has issued a DFHWOSM FUNC=JJC, JJS or QJJS macro. The MVS subsystem interface request issued by the overseer services program while processing this request has failed. The response indicates that the reply area is too small. The MVS GETMAIN request to obtain a larger area is not satisfied.

System action
The subsystem options block (SSOB), indicating 'status array too small' (SSOBRETN=SSCSMALL), is returned to the caller in the 256 byte SSOB return area specified in the DFHWOSM macro.

User response
Since the areas involved are small, the condition should not normally occur. If it persists, or disrupts the effectiveness of your overseer application, you may need to cancel the overseer job with a dump to investigate the reason for the shortage of storage.

Module:
DFHWOSB

Destination
Console

DFHXQ0101I  Shared TS queue server initialization is in progress.

Explanation
The queue server program has started execution.

System action
Initialization continues.

User response
None.

Module:
DFHXQMN

Destination
Console and SYSPRINT

DFHXQ0103  The pool name parameter is missing.

Explanation
The shared TS queue server program needs to know the name of the queue pool in order to complete initialization but no pool name was specified in the SYSIN or PARM field parameters.

System action
The queue server is terminated.
User response

Ensure that the parameter POOLNAME=name is specified either in the SYSIN parameters or in the PARM field of the JCL for the queue server.

Module:
DFHXQMN

Destination

Console and SYSPRINT

DFHXQ0104 Shared TS queue server initialization failed because program DFHXQMN is not APF authorized.

Explanation

The queue server main program DFHXQMN cannot complete initialization because it is not running with APF authorization.

System action

The queue server is terminated.

User response

Ensure that the queue server program DFHXQMN is loaded from an APF authorized library and has been linked edited with the option AC(1).

Module:
DFHXQMN

Destination

Console and SYSPRINT

DFHXQ0111I Shared TS queue server for pool poolname is terminating.

Explanation

The queue server has started termination processing, so no further requests will be processed.

System action

Termination continues.

User response

None.

Module:
DFHXQMN

Destination

Console and SYSPRINT

DFHXQ0112I Shared TS queue server has terminated, return code retcode, reason code rsncode.

Explanation

The queue server has completed termination processing. If the termination was caused by an error, the return code will be non-zero and the reason code will normally be the number of a previous DFHXQnnnn message giving the reason for termination.

System action

The queue server program returns control (via the AXM termination routines) to MVS for job step termination.

User response

None.

Module:
DFHXQMN

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Destination
Console and SYSPRINT

DFHXQ0113 Shared TS queue server completion code is cmpcode, reason code rsncode.

Explanation
The queue server has terminated after intercepting an abnormal termination (ABEND) request. If the completion code is a system completion code, it is shown as three hexadecimal digits, otherwise it is shown as four decimal digits for a user completion code.

System action
The queue server program returns control (via the AXM termination routines) to MVS for job step termination.

User response
None.

Module:
DFHXQMN

Destination
Console and SYSPRINT

DFHXQ0113 Automatic restart support is not available because &SYSCLONE may not be unique within the sysplex.

Explanation
The server attempted to generate a default ARM element identifier to use for automatic restart registration, using the one or two character &SYSCLONE value to identify the MVS system. Normally, MVS verifies during start-up that &SYSCLONE is unique within the sysplex. However, the server is running on a level of MVS where this check is optional and has not been performed, so the server is unable to generate a unique element identifier.

System action
The server is terminated.

User response
None.

Module:
DFHXQRS

Destination
Console and SYSPRINT

DFHXQ0122 IXCARM REQUEST=reqtype failed, return code retcode, reason code rsncode.

Explanation
A request to the MVS automatic restart manager (ARM) gave an unexpected return code. The return code and reason code are shown in hexadecimal notation.

System action
The server is terminated.

User response
See the IXCARM macro in z/OS MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code.

Module:
DFHXQRS

Destination
Console and SYSPRINT

DFHXQ0123 IXCARM REQUEST=reqtype failed, return code retcode, reason code rsncode.

Explanation
Automatic restart support is not available. The MVS automatic restart manager (ARM) gave a return code and reason code which indicates that ARM services are not available, but the reason could possibly be intentional or unavoidable, so the server is being allowed to continue execution without automatic restart support. The return code and reason code are shown in hexadecimal notation.

System action
The server continues initialisation without automatic restart support.
User response
See the IXCARM macro in z/OS MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code.

Module:
DFHXQRS

Destination
Console and SYSPRINT

DFHXQ0201I Processing type parameters

Explanation
The queue server parameter processing routine is interpreting the specified parameter string. The first word gives the type of parameter (SYSIN/PARM/SET/DISPLAY/PRINT) and the rest is the specified parameters optionally followed by descriptive comment text after one or more spaces. If the parameters start with an asterisk or a space, the whole line is taken as descriptive comments.

System action
Any specified parameters will be processed.

User response
None.

Module:
DFHXQPR

Destination
SYSPRINT

DFHXQ0202 Unknown parameter keyword: keyword

Explanation
This parameter keyword did not match any of the defined parameter keywords for the queue server.

System action
Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User response
Correct the parameter keyword (or remove the incorrect parameter) and reenter the command or restart the server.

Module:
DFHXQPR

Destination
Console and SYSPRINT

DFHXQ0203 Value value for parameter keyword is incorrect. It must be a name of up to maxlen characters.

Explanation
The value of this parameter should have been specified as a name containing not more than the indicated number of characters.

System action
Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User response
Correct the parameter keyword (or remove the incorrect parameter) and reenter the command or restart the server.

Module:
DFHXQPR

Destination
Console and SYSPRINT

DFHXQ0204 Value value for parameter keyword is incorrect. It must be a decimal number.

Explanation
The value of this queue server parameter should have been specified as a decimal number but was not in a valid format. (Numeric parameters can optionally be followed by the letter K, M, G or T to denote the appropriate powers of 1024).

System action
Processing of the current line of parameters is terminated. For an initialization parameter specified in
SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**
Correct the parameter value (or remove the incorrect parameter) and reenter the command or restart the server.

**Module:** DFHXQPR

**Destination**
Console and SYSPRINT

**DFHXQ0205**  
Value value for parameter keyword is greater than the maximum allowed value maximum.

**Explanation**
The value of this queue server parameter exceeded the maximum allowed value maximum. This message also occurs if the numeric part of a decimal value exceeds the maximum unsigned 32-bit integer (4294967295) even if a larger value is allowed to be specified by using a suffix “K”, “M”, “G” or “T”.

**System action**
Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**
Correct the parameter value (or remove the incorrect parameter) and reenter the command or restart the server.

**Module:** DFHXQPR

**Destination**
Console and SYSPRINT

**DFHXQ0206**  
Value value for parameter keyword is less than the minimum allowed value minimum.

**Explanation**
The value of this queue server parameter was less than the minimum allowed value minimum.

**System action**
Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**
Correct the parameter value (or remove the incorrect parameter) and reenter the command or restart the server.

**Module:** DFHXQPR

**Destination**
Console and SYSPRINT

**DFHXQ0207**  
Value value for parameter keyword is incorrect. It should be a time hh:mm:ss or hh:mm or a number of seconds.

**Explanation**
The value of this queue server parameter did not conform to the correct syntax for a time interval.

**System action**
Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**
Correct the parameter value (or remove the incorrect parameter) and reenter the command or restart the server.

**Module:** DFHXQPR

**Destination**
Console and SYSPRINT

**DFHXQ0208**  
Parameter keyword keyword is not supported for command.

**Explanation**
A queue server parameter keyword was specified in a context where it is not valid, usually indicating an
attempt to SET dynamically a parameter which can only be specified at initialization time.

**System action**
Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**
Correct the parameter value (or remove the incorrect parameter) and reenter the command or restart the server.

**Module:**
DFHXQPR

**Destination**
Console and SYSPRINT

DFHXQ0209 Parameter text contains invalid character: text

**Explanation**
The queue server parameter processing routine found some unexpected text when attempting to process parameters.

**System action**
Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**
Correct the parameters (or remove the incorrect parameter) and reenter the command or restart the server.

**Module:**
DFHXQPR

**Destination**
Console and SYSPRINT

DFHXQ0210 Parameter value: keyword=value

**Explanation**
The value of this queue server parameter was not recognized. It should have been specified as one of the indicated list of values.

**System action**
Processing continues normally.

**User response**
None.

**Module:**
DFHXQPR

**Destination**
Console and SYSPRINT

DFHXQ0212 Value value for parameter keyword is incorrect. It must be one of validlist.

**Explanation**
This message is issued to show the current value of a queue server parameter setting in response to a DISPLAY or PRINT command.

**System action**
Processing continues normally.

**User response**
None.

**Module:**
DFHXQPR

**Destination**
Console and SYSPRINT

DFHXQ0211 Parameter keyword keyword should not have a value for command.

**Explanation**
A queue server parameter keyword was specified in the form keyword=value in a context where it was not expected, for example on a DISPLAY command.

**System action**
Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**
Reenter the command without specifying a value for the parameter to be displayed.

**Module:**
DFHXQPR

**Destination**
Console and SYSPRINT

Chapter 2. CICS messages
**System action**
Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**
Correct the parameter value (or remove the incorrect parameter) and reenter the command or restart the server.

**Module:** DFHXQPR

**Destination**
Console and SYSPRINT

**Explanation**
A parameter keyword was specified without an associated parameter value on a queue server SET command or in a SYSIN or PARM parameter string. Note that the only character which should appear between the parameter keyword and its intended value is the equals sign, without any extra spaces.

**System action**
Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User response**
Reenter the parameter specification in the correct form keyword=value.

**Module:** DFHXQPR

**Destination**
Console and SYSPRINT

**Explanation**
A queue server operator command has been issued via the MVS MODIFY or STOP command. This message identifies the console name (or TSO userid) from which the command was issued and the text of the command.

**System action**
Processing continues.

**User response**
None.

**Module:** DFHXQOP

**Destination**
SYSPRINT

**Explanation**
A queue server command was issued which had no valid parameters on it but was otherwise syntactically valid. The command has had no effect.

**System action**
Processing continues normally.

**User response**
Ensure that the command was entered correctly.

**Module:** DFHXQOP

**Destination**
Console and SYSPRINT

**Explanation**
A queue server command has been processed successfully.

**System action**
Processing continues.
User response

None.

Module:
DFHXQOP

Destination

Console and SYSPRINT

DFHXQ0304I  STOP command is waiting for connections to be closed. Number of active connections = connections.

Explanation

A queue server STOP command has been issued (either via an MVS STOP command or via an MVS MODIFY command with the text STOP) but there are still active connections to the server, so the STOP command has not yet taken effect.

System action

The server rejects any further attempts to establish new connections, but continues processing requests for existing connections. Each time a connection is terminated, this message is repeated for as long as there are more active connections.

User response

Further information about the connections which are still active can be obtained using the command DISPLAY CONNECTIONS.

If the server needs to be shut down without waiting for connections to be closed, issue the queue server CANCEL command. Note that this immediately terminates any active connections, causing any further requests for that server to be given a SYSIDERR indication. (The MVS CANCEL command can also be used, but should preferably be avoided because it prevents the server from producing its normal closedown statistics and reports).

Note that if a CICS region is abnormally terminated while server connect or disconnect processing is in progress, or is terminated without going through end of task processing (for example using the FORCE command) there is a slight chance that the server will not be notified that the connection has been terminated. In this case the server is not able to be closed down with the server STOP command, but only with the server CANCEL command.

Module:
DFHXQOP

Destination

Console and SYSPRINT

DFHXQ0305I  STOP command has been processed.

Explanation

Processing of a queue server STOP command has now been successfully completed. This means that there are no longer any active connections and the server is ready to close down.

System action

The queue server starts termination processing.

User response

None.

Module:
DFHXQOP

Destination

Console and SYSPRINT

DFHXQ0306  Shared TS queue server does not support this command: command

Explanation

An operator command was addressed to the queue server using the MVS MODIFY command, but the first word of the MODIFY text is not a recognized queue server command (SET, DISPLAY, PRINT, STOP or CANCEL).

System action

The command is ignored.

User response

Correct and reenter the command.

Module:
DFHXQOP

Destination

Console and SYSPRINT

DFHXQ0307I  CANCEL parm command has been processed. Number of active connections = connections.
Explanation
A queue server CANCEL command has been issued, either from an operator console or internally by the queue server in response to a severe error. This message includes any restart parameter specified on the command and the number of active connections which may be affected by this command.

System action
The queue server terminates immediately, without waiting to close connections.

User response
None.

Module:
DFHXQOP

Destination
Console and SYSPRINT

DFHXQ0309 Parameter parm on CANCEL command is incorrect. The only valid parameters are RESTART=YES or RESTART=NO.

Explanation
A queue server CANCEL command was issued with a parameter which did not match the valid parameter keywords.

System action
The command is ignored.

User response
Correct and reenter the command.

Module:
DFHXQOP

Destination
Console and SYSPRINT

DFHXQ0310 Parameter parm on STOP command is incorrect. No parameters should be specified.

Explanation
A queue server STOP command was issued with parameters, but the STOP command does not support any parameters.

System action
The command is ignored.

User response
Correct and reenter the command.

Module:
DFHXQOP

Destination
Console and SYSPRINT

DFHXQ0310 Parameter parm on STOP command is incorrect. No parameters should be specified.

Explanation
A queue server STOP command was issued with parameters, but the STOP command does not support any parameters.

System action
The command is ignored.

User response
Correct and reenter the command.

Module:
DFHXQOP

Destination
Console and SYSPRINT

DFHXQ0351I Connection: Job jobname Appl applid Idle idletime

Explanation
This describes a single connection in response to the command DISPLAY CONNECTIONS or PRINT CONNECTIONS. The information shows the job name, the specific APPLID and the time in hours, minutes and seconds since the most recent queue request or inquire call was issued using the connection.

System action
This message is issued for each active connection then message DFHXQ0352I is issued to show the total number of active connections.

User response
None.

Module:
DFHXQOP

Destination
Console and SYSPRINT

DFHXQ0352I Queue pool poolname total active connections: connections.

Explanation
This describes the total number of active connections to the queue pool server, in response to the server command DISPLAY CONNECTIONS or PRINT CONNECTIONS.

System action
Processing continues.
User response
None.

Module:
DFHXQCN

Destination
Console and SYSPRINT

DFHXQ0401I  Connected to CF structure strname.

Explanation
The queue server has successfully established a connection to the coupling facility list structure for the queue pool, using the IXLCONN macro.

System action
Processing continues.

User response
None.

Module:
DFHXQCF

Destination
Console and SYSPRINT

DFHXQ0402I  CF structure strname was allocated by this connection.

Explanation
The list structure did not previously exist and was allocated as part of the connection process.

System action
List structure initialization will be performed if necessary.

User response
None.

Module:
DFHXQCF

Destination
Console and SYSPRINT

DFHXQ0403  Connection to CF structure strname failed, IXLCONN return code retcode, reason code rsncode.

Explanation
The IXLCONN macro to connect the queue server to its coupling facility list structure failed.

System action
The queue server is terminated.

User response
See the IXLCONN macro in z/OS MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code. If the reason code is of the form xxxx0C08, indicating structure allocation failure, this message is followed by message DFHXQ0409 giving the facility reason code for each CF in which allocation was attempted.

Module:
DFHXQCF

Destination
Console and SYSPRINT

DFHXQ0404  CF structure strname cannot be used because it has been allocated with attribute attribute.

Explanation
The queue server has successfully connected to its list structure but has found that the structure has been allocated using an IXLCONN structure attribute keyword which is not supported by the queue server.

System action
The queue server is terminated.

User response
This probably indicates that the structure has been allocated or modified by some program other than the queue server. In this case, the incorrect structure should be deleted (for example using the SETXCF FORCE command) so that it will be reallocated correctly when the queue server is restarted.

Module:
DFHXQCF
Destination
Console and SYSPRINT

DFHXQ0405
CF structure \textit{strname} element size \textit{elemsize} is incorrect. It should be a power of 2 in the range 256 to 4096.

Explanation
The queue server list structure element size (specified via the ELEMSIZE initialization parameter) is not a power of two, or is outside the range supported by the list structure hardware.

System action
The queue server is terminated (without attempting to connect to the list structure).

User response
Correct the ELEMSIZE parameter and restart the queue server.

Module: DFHXQCF

Destination
Console and SYSPRINT

DFHXQ0406
Initialization failed for CF structure \textit{strname} with response \textit{response}.

Explanation
Queue server processing to initialize the list structure failed with an abnormal internal response code.

System action
The server is terminated.

User response
If the response code is 8 (I/O error), it indicates that an IXLLIST macro gave an abnormal return code, in which case a previous DFHXQ0441 message will have been issued giving the IXLLIST return code and reason code. If this response code is any other value, this indicates that the list structure is in a state which should not occur, probably indicating that it was allocated or modified by a program other than the queue server. In this case the structure may need to be deleted (using SETXCF FORCE) so that it will be reallocated when the server is restarted.

Module: DFHXQCF

Destination
Console and SYSPRINT

DFHXQ0407
CF structure \textit{strname} is not available for shared use.

Explanation
The queue pool is currently locked for exclusive use by some other job such as a queue pool unload or reload job. (This serialization uses an MVS ENQ with scope SYSTEMS for major name SYSZDFH minor name DFHXQLS_poolname).

System action
The server is terminated.

User response
Check whether a queue pool maintenance job is currently running. If it is, wait until it has finished before trying to start the server again.

Module: DFHXQCF

Destination
Console and SYSPRINT

DFHXQ0408
CF structure \textit{strname} is not available for exclusive use.

Explanation
The current job (an unload or reload) requires exclusive use of the queue pool, but some other job is running which already has shared or exclusive use of the pool. (This serialization uses an MVS ENQ with scope SYSTEMS for major name SYSZDFH minor name DFHXQLS_poolname).

System action
The server is terminated.

User response
Check whether a queue pool server or maintenance job is currently running. If it is, wait until it has finished before trying to run the current job again.

Module: DFHXQCF
**Destination**

Console and SYSPRINT

DFHXQ0409 CF structure strname could not be allocated in facility cfname, reason code rsncode.

**Explanation**

If a previous message DFHXQ0403 indicated an IXLCONN failure because the structure could not be allocated, this message is issued for each CF in which allocation was attempted to show the facility reason code indicating why structure allocation failed. If the reason code is known to the server, the name of the reason code is given (without the ConaRsn prefix), otherwise its decimal value is shown.

If the response indicates InvalidStructureSize, this means that the initial list structure size (specified on the server POOLSIZE parameter or in the CFRM policy INITSIZE parameter) is not large enough to contain the required structure control information. The size of the control information is affected by the number of list headers (determined by the server MAXQUEUES parameter) and by the maximum structure size specified in the CFRM policy.

**System action**

The queue server is terminated.

**User response**

See the descriptions of the reason codes in the MVS macro IXLYCONA which maps the connect answer area.

If the response was InvalidStructureSize, increase the initial structure size specification in the server POOLSIZE parameter or the CFRM policy INITSIZE parameter to ensure that there is enough space for data in addition to the structure control information. Also, check that the server MAXQUEUES parameter and the maximum structure size specified in the CFRM policy are not unnecessarily large. See the Configuring for more information on how to estimate temporary storage queue pool sizes.

**Module:**

DFHXQCF

---

DFHXQ0410 CF structure strname cannot be used, coupling facility maintenance level is too low.

**Explanation**

Initialization test routines executed against the allocated list structure gave incorrect results, indicating that the coupling facility control code does not include all maintenance necessary to support shared temporary storage.

**System action**

The queue server is terminated.

**User response**

Ensure that the required level of coupling facility maintenance is applied.

**Module:**

DFHXQCF

---

DFHXQ0411I CF structure strname now has percentage% of entries in use.

**Explanation**

This message is issued immediately after an ALTER or SET request has completed in order to show how the percentage has been affected by changes in the structure size or entry to element ratio.

**System action**

If the structure element to entry ratio is not making full use of the available space, the server may issue an automatic IXLALTER request to adjust the ratio.

**User response**

None.

**Module:**

DFHXQCF

---

DFHXQ0412I CF structure strname now has percentage% of elements in use.

**Explanation**

This message is issued immediately after an ALTER request has completed in order to show how the percentage has been affected by changes in the structure size or entry to element ratio.
**System action**
If the structure element to entry ratio is not making full use of the available space, the server may issue an automatic IXLALTER request to adjust the ratio.

**User response**
None.

**Module:**
DFHXQCF

**Destination**
Console and SYSPRINT

**DFHXQ0413I** Starting ALTER to adjust CF structure *strname* entry/element ratio to entries/elements.

**Explanation**
The queue server has determined that the ratio of free entries to free elements is significantly different from the ratio of entries to elements actually in use. It is issuing an IXLALTER macro to request the coupling facility to adjust the ratio to make better use of the coupling facility storage.

**System action**
The server continues by issuing the IXLALTER macro. A further message will be issued when the ALTER request is accepted or rejected by MVS.

**User response**
None.

**Module:**
DFHXQCF

**Destination**
Console and SYSPRINT

**DFHXQ0414I** ALTER started for CF structure *strname*.

**Explanation**
The queue server has successfully started an ALTER request to change the entry to element ratio for the list structure.

**System action**
The queue server event exit will be notified by MVS when the ALTER request completes and a further message will then be issued.

**User response**
None.

**Module:**
DFHXQCF

**Destination**
Console and SYSPRINT

**DFHXQ0415I** ALTER rejected for CF structure *strname*, ALTER already active.

**Explanation**
The queue server attempted to start an ALTER to change the entry to element ratio for the list structure, but this was rejected by the system because another ALTER was already active.

**System action**
The queue server event exit will be notified by MVS when the ALTER request completes and a further message will then be issued.

**User response**
None.

**Module:**
DFHXQCF

**Destination**
Console and SYSPRINT

**DFHXQ0416** ALTER request failed for CF structure *strname*, IXLALTER return code *retcode*, reason code *rsncode*.

**Explanation**
The queue server attempted to start an ALTER to change the entry to element ratio for the list structure, but this was rejected by the system with an unexpected return code.
System action
The current ALTER attempt is abandoned. Another attempt may be made when the minimum alter interval has expired.

User response
See the IXLALTER macro in z/OS MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code.

Module:
DFHXQCF

Destination
Console and SYSPRINT

DFHXQ0417I ALTER completed normally for CF structure strname.

Explanation
The queue server has been notified by the system that an ALTER request has completed normally.

System action
New values for the structure size and numbers of elements and entries are stored. This message is followed by messages DFHXQ0411, DFHXQ0412, DFHXQ0420, DFHXQ0421, DFHXQ0422 or DFHXQ0423 to indicate the new usage percentages

User response
None.

Module:
DFHXQCF

Destination
Console and SYSPRINT

DFHXQ0418I ALTER ended abnormally for CF structure strname with status status.

Explanation
The queue server has been notified by the system that an ALTER request has ended abnormally. The two bytes of status information in this message are taken from EEPLALTERENDSTATEFLAGS in the event exit parameter list (defined in the IXLYEPL macro).

System action
No action is taken as a result of this notification, but the problem which caused the ALTER to fail will probably result in other related problems.

User response
None.

Module:
DFHXQCF

Destination
Console and SYSPRINT

DFHXQ0419I ALTER ended normally for CF structure strname but target was not attained.

Explanation
The queue server has been notified by the system that an ALTER request has ended normally but that the target ratio or target size was not attained.

System action
New values for the structure size and numbers of elements and entries are stored. This message is followed by messages DFHXQ0411, DFHXQ0412, DFHXQ0420, DFHXQ0421, DFHXQ0422 or DFHXQ0423 to indicate the new usage percentages

User response
None.

Module:
DFHXQCF

Destination
Console and SYSPRINT

DFHXQ0420I CF structure strname has fallen to percentage% of entries in use.

Explanation
This message is issued by the queue server when the percentage of list entries in use within the list structure decreases past a threshold level after previously being at a higher level. This message may also be issued immediately after an ALTER or SET request has completed if the percentage decreases past a threshold level.
**System action**
The warning threshold is decreased to the previous lower level (normally 5% lower if less than 95%, otherwise 1% lower). If the structure element to entry ratio is not making full use of the available space, the server may issue an automatic IXLALTER request to adjust the ratio.

**User response**
None.

**Module:** DFHXQCF

**Destination**
Console and SYSPRINT

**DFHXQ0421I** CF structure strname has fallen to percentage% of elements in use.

**Explanation**
This message is issued by the queue server when the percentage of list data elements in use within the list structure decreases past certain set threshold levels. This message may also be issued immediately after an ALTER or SET request has completed if the percentage decreases past a threshold level.

**System action**
The warning threshold is increased to the next higher level (normally 5% higher if less than 95%, otherwise 1% higher). If the structure element to entry ratio is not making full use of the available space, the server may issue an automatic IXLALTER request to adjust the ratio.

**User response**
Note that the structure may soon become full, preventing queues from being created. If the structure was allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be altered dynamically using the MVS SETXCF command with the START,ALTER options.

**Module:** DFHXQCF

**Destination**
Console and SYSPRINT

**DFHXQ0423I** CF structure strname has risen to percentage% of entries in use.

**Explanation**
This message is issued by the queue server when the percentage of list entries in use within the list structure increases past certain set threshold levels. This message may also be issued immediately after an ALTER or SET request has completed if the percentage increases past a threshold level.

**System action**
The warning threshold is increased to the next higher level (normally 5% higher if less than 95%, otherwise 1% higher). If the structure element to entry ratio is not making full use of the available space, the server may issue an automatic IXLALTER request to adjust the ratio.

**User response**
Note that the structure may soon become full, preventing queues from being created. If the structure was allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be altered dynamically using the MVS SETXCF command with the START,ALTER options.
Module: DFHXQCF

Destination Console and SYSPRINT

DFHXQ0424 Connectivity has been lost to CF structure strname. The shared TS queue server cannot continue.

Explanation
The queue server has been notified by the system that connectivity has been lost to its list structure.

System action
The server issues an internal CANCEL command to terminate itself immediately.

User response
Restart the server when connectivity to the server from the current system has been reestablished. If connectivity is still available from other systems, CICS transactions which require access to the affected queue pool should be diverted to those systems if possible.

Module: DFHXQCF

Destination Console and SYSPRINT

DFHXQ0425 CF structure strname has failed. The shared TS queue server cannot continue.

Explanation
The queue server has been notified by the system that its list structure has been lost due to coupling facility failure. All data in the queue pool has been lost.

System action
Each queue server for the affected pool issues an internal CANCEL command to terminate itself immediately.

User response
If another coupling facility is available and is included in the CFRM preference list for the failed structure, delete the failed structure and restart the servers to cause a fresh copy of the list structure to be allocated on the alternate coupling facility. If no other coupling facility is available, wait until the original coupling facility has been made available again before restarting the servers.

Module: DFHXQCF

Destination Console and SYSPRINT

DFHXQ0431I Access statistics for CF structure strname:

Explanation
This message gives a summary of coupling facility access statistics. It is issued in response to a DISPLAY or PRINT command which includes the CFSTATS parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows:

| Index: Wrt Adjs Writes Reads Deletes Rereads |
|-------|-------|-------|-------|-------|
| n     | n     | n     | n     | n     |
| Read Adjs |
| Data: Creates Writes Deletes Rereads Rewrites |
| n     | n     | n     | n     | n     |
| Responses: Asynch Unavail Normal Len err Not fnd Vers chk List chk |
| n     | n     | n     | n     | n     |
| List full Str full I/O err |
| n     | n     | n     | n     | n     |

System action
Processing continues.

User response
The statistics are described in detail in the DFHXQS1D data area. For queues which do not exceed 32K bytes, the data is included in the queue index, otherwise it is stored as a separate list. The individual fields have the following meanings:

- Index access counts:

  **Wrt Adjs**
  Number of index writes to update adjunct area only. (This area contains the read cursor for small queues and the queue status including last used data).
**Writes**
Number of queue writes (new or update) including data.

**Reads**
Number of queue index reads.

**Delete**
Number of queue deletes.

**Rereads**
Number of reads which had to be repeated because the data was larger than the default data transfer size.

**Read Adjs**
Number of index reads for the status area only. This is used for inquire processing, and also to read the queue details if necessary during delete processing.

- **Data access counts:**

  **Creates**
  Number of times a separate data list was created.

  **Writes**
  Number of writes to add items to separate data lists.

  **Reads**
  Number of reads from separate data lists.

  **Delete**
  Number of times a separate data list was deleted.

  **Rereads**
  Number of reads which had to be repeated because the data was larger than the default data transfer size.

  **Rewrites**
  Number of writes to replace items in separate data lists.

- **Response counts:**

  **Asynch**
  Number of requests for which completion was asynchronous.

  **Unavail**
  Number of times requests were deferred because the structure was temporarily unavailable, for example because system-managed rebuild was in progress.

**Normal**
Number of normal responses.

**Len err**
The input buffer was too small to contain the data. The server often tries a buffer size of only 4K in order to use a synchronous read if possible. If this response occurs, the server sets up the maximum sized buffer and reissues the read.

**Not fnd**
The specified entry (queue or item) was not found.

**Vers chk**
A version check failed for an entry being updated or created, indicating that another task had updated it first.

**List chk**
A list authority comparison failed, usually meaning that the queue is in the process of being deleted.

**List full**
A queue reached the maximum number of items, causing the relevant list to be marked as full.

**Str full**
The list structure became full.

**I/O err**
Some other error code was returned by IXLLIST.

**Module:**
DFHXQCF

**Destination**
Console and SYSPRINT

**DFHXQ0432I**
Queue pool statistics for CF structure strname:

**Explanation**
This message gives a summary of the usage statistics for the queue pool list structure. It is issued in response to a DISPLAY or PRINT command which includes the POOLSTATS parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows:

```
Structure: Size Max size Elem size
nK   nK   n
```

2280 CICS TS for z/OS: CICS Messages
Queues: Current Highest
Lists: Total In use Max used Control Data

<table>
<thead>
<tr>
<th></th>
<th>n</th>
<th>n</th>
<th>n</th>
<th>n</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entries: Total</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td>In use</td>
<td>n%</td>
<td>n%</td>
<td>n%</td>
<td>n%</td>
</tr>
<tr>
<td>Max used</td>
<td>n%</td>
<td>n%</td>
<td>n%</td>
<td>n%</td>
</tr>
<tr>
<td>Control</td>
<td>n%</td>
<td>n%</td>
<td>n%</td>
<td>n%</td>
</tr>
<tr>
<td>Data</td>
<td>n%</td>
<td>n%</td>
<td>n%</td>
<td>n%</td>
</tr>
</tbody>
</table>

System action
Processing continues.

User response
The statistics are described in detail in the DFHXQS1D data area. Pool usage statistics are calculated from information returned by coupling facility requests, and are not always very accurate, especially if the relevant information has not been accessed recently by the current server. The individual fields have the following meanings:

- Structure:
  - **Size**
    Current allocated size of the list structure.
  - **Max size**
    Maximum size to which this structure could be altered.
  - **Elem size**
    Data element size used for the structure.

- Queues:
  - **Current**
    Number of queues currently in existence.
  - **Highest**
    Highest number of queues at any time (since last reset).

- Lists:
  - **Total**
    Maximum number of list headers in the structure.

- Entries:
  - **Total**
    Total entries in the currently allocated structure. (Obtained at connection time, may be updated by ALTER).
  - **In Use**
    Number of entries currently in use.
  - **Max Used**
    Maximum number in use (since last reset).
  - **Free**
    Number of entries currently free (total minus used).
  - **Min Free**
    Minimum number of free entries (since last reset).

- Elements:
  - **Total**
    Total data elements in the currently allocated structure. (Obtained at connection time, may be updated by ALTER).
  - **In Use**
    Number of elements currently in use.
  - **Max Used**
    Maximum number in use (since last reset).
  - **Free**
    Number of elements currently free (total minus used).
  - **Min Free**
    Minimum number of free elements (since last reset).

Module:
DFHXQCF
DFHXQ0441 CF structure strname request failed, IXLLIST return code retcode, reason code rsncode.

Explanation
A coupling facility access request issued via the IXLLIST macro gave an abnormal return code.

System action
The failing request is given an I/O error indication, giving an IOERROR condition if it originated from a CICS API request.

User response
See the IXLLIST macro in z/OS MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code.

Module: DFHXQCF

DFHXQ0442 CF structure strname request failed, structure is full.

Explanation
A coupling facility access request issued via the IXLLIST macro failed because there are insufficient free entries or elements to store the new data in the structure.

System action
The failing request is given a NOSPACE indication if it originated from a CICS API request. For reload processing, if an automatic ALTER is in progress, the request may be suspended until the outcome of the ALTER is known, then retried. This message will not be issued again for further failures until the used numbers of elements and entries fall well below the warning threshold.

User response
Any queues which are no longer in use should be deleted so that the space can be reused. If the structure is not at its maximum size, it may be possible to start an ALTER request to increase the size using the MVS SETXCF command.

Module: DFHXQCF

DFHXQ0443 CF structure strname request failed, all lists are in use.

Explanation
A coupling facility access request issued via the IXLLIST macro failed because all list headers defined in the structure are now in use. The number of list headers is determined by the MAXQUEUES server initialization parameter when the structure was allocated.

System action
The failing request is given a NOSPACE indication if it originated from a CICS API request. This message will not be issued again for further failures while the shortage of list entries remains. The number of list entries in use needs to have fallen below 75% of the value specified by MAXQUEUES before the server will issue this message again for a further failure.

User response
Any queues of total size greater than 32K bytes which are no longer in use should be deleted to free up data lists. As the number of lists is fixed when the structure is allocated, the only way to increase the number of lists is to unload the structure, use SETXCF FORCE to delete it then reload it with a larger MAXQUEUES parameter.

Module: DFHXQCF

DFHXQ0444I CF request has been suspended to await ALTER completion.

Explanation
A coupling facility access request issued from the server address space (during reload processing) ran out of space in the list structure, but an automatic ALTER attempt to free up more space is either already active or is being started at this point. The request is suspended to await the completion of the ALTER.
therefore being suspended to await the outcome of the ALTER attempt.

**System action**
The request is suspended until either the ALTER request completes (normally or abnormally), then the request is retried.

**User response**
None.

**Module:** DFHXQCF

**Destination**
Console and SYSPRINT

**Explanation**
A request which was suspended to await the completion of an ALTER request is now being retried because the ALTER has either completed or failed.

**System action**
The suspended request will be restarted.

**User response**
None.

**Module:** DFHXQCF

**Destination**
Console and SYSPRINT

**DFHXQ0451** CF request is being retried after ALTER completion.

**Explanation**
A request which was suspended to await the completion of an ALTER request is now being retried because the ALTER has either completed or failed.

**System action**
The suspended request will be restarted.

**User response**
None.

**Module:** DFHXQCF

**Destination**
Console and SYSPRINT

**DFHXQ0461I** Disconnected from CF structure strname.

**Explanation**
The server has successfully disconnected from the CF structure (using the IXLDISC macro).

**System action**
Processing continues.

**User response**
None.

**Module:** DFHXQCF

**Destination**
Console and SYSPRINT

**DFHXQ0462** Disconnect from CF structure strname failed, IXLDISC return code retcode, reason code rsncode.

**Explanation**
The IXLDISC macro to disconnect the queue server from its coupling facility list structure failed.

**System action**
The error is ignored, as disconnection only occurs when the server is already terminating.

**User response**
See the IXLPURGE macro in z/OS MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code.

**Module:** DFHXQCF
 Destination
Console and SYSPRINT

DFHXQ0481I Waiting for structure strname to become available.

Explanation
The queue server was unable to connect to its coupling facility structure because of an environmental error, such as the structure being unavailable, as described in a previous DFHXQ0403 message. The server is now waiting for this problem to be fixed, and will retry the connection request when it is notified via the ENF facility that the specific structure may now be available or that some change has occurred in the status of general coupling facility resources.

System action
The server waits to be notified of a relevant event.

User response
No action is required, but the waiting server can optionally be terminated using the MVS CANCEL command if it is no longer required.

Module:
DFHXQEN

Destination
Console and SYSPRINT

DFHXQ0482I Retrying connection to structure strname.

Explanation
The queue server has been notified via ENF that its list structure may now be available or that a change has occurred in the status of some general coupling facility resources, so it is about to make another attempt to connect to the structure.

System action
The original IXLCONN request is retried.

User response
None.

Module:
DFHXQEN

Destination
Console and SYSPRINT

DFHXQ0491 ENFREQ ACTION=action failed, return code retcode.

Explanation
An ENF request issued by the queue server gave an unexpected return code.

System action
If this occurs on the ENFREQ ACTION=LISTEN request and the server is subsequently unable to connect to the list structure, the server will be terminated instead of waiting for the structure to become available.

User response
See the documentation of the ENFREQ macro in z/OS MVS Programming: Authorized Assembler Services Reference (Volume 1) (GC28-1765) for the explanation of the return and reason code.

Module:
DFHXQEN

Destination
Console and SYSPRINT

DFHXQ0501 Insufficient storage, only actual of requested data buffers allocated.

Explanation
The queue server was unable to allocate the specified number of data buffers (of 32K bytes) during initialization because the relevant storage pool (AXMPGANY) was exhausted.

System action
The server is terminated.

User response
Decrease the BUFFERS initialization parameter to a value less than the number which were successfully allocated (to leave plenty of storage for request processing) and restart the server. Alternatively, increase the region size for the queue server to allow more buffers to be allocated.

Module:
DFHXQBF
Destination
Console and SYSPRINT

DFHXQ0511I  Queue index buffer pool statistics:

Explanation
This message gives a summary of the usage statistics for the queue index buffer pool, which is used to read and write queue index entries and their associated data, and to save recently accessed index entries in storage to reduce coupling facility I/O. It is issued in response to a DISPLAY or PRINT command which includes the BUFSTATS parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows:

<table>
<thead>
<tr>
<th>Buffers:</th>
<th>Total</th>
<th>Max used</th>
<th>Active</th>
<th>On LRU</th>
<th>Empty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Requests:</td>
<td>Gets</td>
<td>Puts</td>
<td>Keeps</td>
<td>Frees</td>
<td>Purges</td>
</tr>
<tr>
<td>Results:</td>
<td>Got hit</td>
<td>Got free</td>
<td>Got new</td>
<td>Got LRU</td>
<td>No buff</td>
</tr>
<tr>
<td>Errors:</td>
<td>Not freed</td>
<td>No purge</td>
<td>Not owned</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waits:</td>
<td>Pool lock</td>
<td>Buf lock</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

System action
Processing continues.

User response
The statistics are described in detail in the DFHXQS2D data area. The individual fields have the following meanings:

• Buffers:
  Total
  Number of buffers in the pool.
  Max used
  Highest number ever used (not affected by reset).
  Active
  Buffers currently in use.
  On LRU
  Buffers with valid contents on LRU chain to allow reuse.

• Empty
  Buffers previously used but now empty.

• Requests:
  Gets
  Requests to get a buffer.
  Puts
  Requests to put back a buffer with valid contents.
  Keeps
  Requests to put back a buffer with modified contents. (This function is not currently used by the queue server).
  Frees
  Requests to put back a buffer as empty.
  Purges
  Requests to discard contents of a previously valid buffer.

• Results (Get):
  Got hit
  Request found a valid match on the LRU chain.
  Got free
  Request obtained an empty buffer.
  Got new
  Request obtained a buffer not previously used.
  Got LRU
  Request discarded and reused the oldest valid buffer.
  No buff
  Request failed to obtain a buffer.

• Errors:
  Not freed
  Request tried to free a buffer which it did not own. (This can occur during error recovery).
  No purge
  A purge request did not find any matching buffer.
  Not owned
  A purge request hit a buffer owned by another task.

• Waits:
  Pool lock
  Number of waits for the buffer pool header lock.
Buf lock
Number of waits because another request owned the buffer.

Module:
DFHXQBF

Destination
Console and SYSPRINT

DFHXQ0601I Starting statistics collection for interval since lasttime.

Explanation
The queue server is about to collect interval, end of day or closedown statistics. This message identifies the start of the time interval to which the statistics apply, which is either the time that the server was started up or the time of the last reset, which occurs whenever interval or end of day statistics are produced. The format of the timestamp is yyyy-mm-dd hh:mm:ss.

System action
The queue server proceeds with statistics collection.

User response
None.

Module:
DFHXQST

Destination
SYSPRINT

DFHXQ0602I Statistics collection completed, reset performed.

Explanation
Queue server statistics have been collected and counters have been reset. This occurs for interval or end of day statistics.

System action
Processing continues.

User response
None.

Module:
DFHXQST

Destination
SYSPRINT

DFHXQ0604 Timer SET failed, return code retcode, reason code rsncode.

Explanation
An attempt by the queue server statistics subtask to set up a timer wait interval failed.

System action
The interval statistics function is terminated with message DFHXQ0606.

User response
Check the return code and reason code. A return code of 4 indicates an attempt to set up more than one concurrent timer interval, which indicates a logic error in the server. A return code of 8 indicates that the MVS STIMER macro failed, in which case the reason code indicates the return code received from STIMER SET.

Module:
DFHXQST

Destination
Console and SYSPRINT

DFHXQ0605 Timer CANCEL failed, return code retcode, reason code rsncode.
Explanation
An attempt by the queue server statistics subtask to cancel a timer wait interval failed.

System action
The interval statistics function is terminated with message DFHXQ0606.

User response
Check the return code and reason code. A return code of 4 indicates an attempt to cancel a nonexistent timer interval, which indicates a logic error in the server. A return code of 8 indicates that the MVS STIMERM macro failed, in which case the reason code indicates the return code received from STIMERM CANCEL.

Module:
DFHXQST

Destination
Console and SYSPRINT

DFHXQ0606 Statistics collection function is no longer available.

Explanation
The queue server statistics collection subtask was unable to continue processing and has terminated. The reason will have been indicated by an earlier message.

System action
The interval statistics subtask terminates and no further interval statistics or end of day statistics will be produced for this run of the server.

User response
See the earlier message indicating the reason for the termination of the subtask.

Module:
DFHXQST

Destination
Console and SYSPRINT

DFHXQ0610I Statistics written to SMF, return code was retcode.

Explanation
Queue server statistics have been sent to SMF. The return code from the SMFEWTM macro is indicated in this message. A non-zero return code usually indicates that SMF recording was suppressed because of current SMF options or an installation exit.

System action
Processing continues.

User response
If the return code is non-zero but SMF statistics were expected to be successfully written, see the SMFEWTM macro in z/OS MVS System Management Facilities (SMF) (GC28-1457) for more information about return codes.

Module:
DFHXQST

Destination
SYSPRINT

DFHXQ0701I Shared TS queue pool poolname is to be unloaded.

Explanation
The server program has been started with the UNLOAD option requesting that the queue pool is unloaded to a sequential data set.

System action
The server starts to process the unload request. In this case, the rest of cross-memory server initialization is bypassed as it will not be needed.

User response
None.

Module:
DFHXQUL

Destination
Console and SYSPRINT

DFHXQ0702I Shared TS queue pool poolname has been successfully unloaded.

Explanation
The queue pool has been unloaded successfully.

System action
The server closes down normally.
User response
None.

Module:
DFHXQUL

Destination
Console and SYSPRINT

DFHXQ0703I Number of unloaded queues:
queues. Blocks written: blocks.

Explanation
This message provides additional information about
the results of the unload process, giving the number
of queues which were unloaded and the number of 4K
data blocks written to the unloaded queue pool data
set.

System action
Server termination continues.

User response
None.

Module:
DFHXQUL

Destination
Console and SYSPRINT

DFHXQ0704DFHXQUL data set for unload
could not be opened.

Explanation
The data set to contain the unloaded queue pool could
not be opened.

System action
Unload processing is terminated and the server is
closed down with message DFHXQ0706.

User response
If the response code is 8, this indicates that an
unexpected IXLLIST error occurred, for which a
previous error message will have been issued. Any
other response code indicates an internal logic error.

Module:
DFHXQUL

Destination
Console and SYSPRINT

DFHXQ0706 Unload for shared TS queue pool
poolname was unsuccessful.

Explanation
The queue pool unload process failed. The reason will
have been described in a previous message.

System action
The server is terminated.

User response
See the previous message giving the reason for the
unload failure. Note that any unload data set produced
in this case will be incomplete and will not be valid for
reload purposes.

Module:
DFHXQUL

Destination
Console and SYSPRINT

DFHXQ0801I Shared TS queue pool poolname is
to be reloaded.
Explanation
The server program has been started with the RELOAD option requesting that the queue pool is to be reloaded from a sequential data set produced using the UNLOAD option.

System action
The server starts to process the reload request. In this case, the rest of cross-memory server initialization is bypassed as it will not be needed.

User response
None.

Module:
DFHXQRL

Destination
Console and SYSPRINT

DFHXQ0802I Shared TS queue pool poolname has been successfully reloaded.

Explanation
The queue pool has been reloaded successfully.

System action
The server closes down normally.

User response
None.

Module:
DFHXQRL

Destination
Console and SYSPRINT


Explanation
This message provides additional information about the results of the reload process. Queues on the unloaded data set are bypassed during reload processing if they already exist in the pool (for example as a result of a previous reload which could not be completed due to lack of space).

System action
Server termination processing continues.

User response
None.

Module:
DFHXQRL

Destination
Console and SYSPRINT

DFHXQ0804 DFHXQRL data set for reload could not be opened.

Explanation
The data set containing the queue pool to be reloaded could not be opened.

System action
Reload processing is terminated and the server is closed down with message DFHXQ0808.

User response
Check that the DFHXQRL DD statement is present in the JCL for the reload job.

Module:
DFHXQRL

Destination
Console and SYSPRINT

DFHXQ0805 Reload access to CF structure strname failed with response response.

Explanation
The reload process failed because of a problem with coupling facility access.

System action
Reload processing is terminated and the server is closed down with message DFHXQ0808.

User response
If the response code is 8, this indicates that an unexpected IXLLIST error occurred, for which a previous message DFHXQ0441 will have been issued.
Any other response code indicates an internal logic error.

**Module:**
DFHXQRL

**Destination**
Console and SYSPRINT

**DFHXQ0806** Unexpected end of file encountered on reload data set.

**Explanation**
End of file was encountered on the unloaded data set before the logical end of the unloaded data was encountered.

**System action**
Reload processing is terminated and the server is closed down with message DFHXQ0808.

**User response**
This indicates that the unloaded data set is incomplete, perhaps because the unload process was abnormally terminated.

**Module:**
DFHXQRL

**Destination**
Console and SYSPRINT

**DFHXQ0807** Reload data set contains incorrect data near block block, offset offset.

**Explanation**
The reload process failed because the unloaded queue pool data set is not in the correct format.

**System action**
Reload processing is terminated and the server is closed down with message DFHXQ0808.

**User response**
Check that the correct data set is being used and that the unload process completed normally.

**Module:**
DFHXQRL

**Destination**
Console and SYSPRINT

**DFHXQ0808** Reload for shared TS queue pool poolname was unsuccessful.

**Explanation**
The queue pool reload process could not be completed. The reason will have been described in a previous message.

**System action**
The program is terminated.

**User response**
See the previous message giving the reason for the reload failure.

**Module:**
DFHXQRL

**Destination**
Console and SYSPRINT

**DFHXQ0809** Reload for CF structure strname failed, structure is full.

**Explanation**
Reload processing failed because there are insufficient free entries or elements to store the new data in the structure.

**System action**
Reload processing is terminated and the server is closed down with message DFHXQ0808.

**User response**
If the structure is not at its maximum size, use the MVS SETXCF FORCE to delete the structure, then change the reload parameters to specify a larger POOLSIZE parameter and rerun the reload job. The approximate amount of information which could not be reloaded can be estimated by comparing the numbers of blocks read and queues reloaded, as described by following message DFHXQ0803, with the corresponding numbers from message DFHXQ0703 in the unload job.

**Module:**
DFHXQRL
**Destination**
Console and SYSPRINT

**DFHXQ0810**  
Reload for CF structure *strname* failed, all lists are in use.

**Explanation**
Reload processing failed because all list headers defined in the structure are now in use.

**System action**
Reload processing is terminated and the server is closed down with message DFHXQ0808.

**User response**
Use the MVS SETXCF FORCE to delete the structure, then change the reload MAXQUEUES parameter to a large value and rerun the reload job.

**Module:**
DFHXQRL

**Destination**
Console and SYSPRINT

**DFHXQ0911I**  
*R12=prv RQ Entry function*  
*Len=len Item=itemnum Q=qname*  
*Task=tasknum region*

**Explanation**
Request tracing is active and a request is being traced on entry to the request module DFHXQRQ.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHXQRQ

**Destination**
SYSPRINT

**DFHXQ0913I**  
*R12=prv RQ Qname hex qname*

**Explanation**
Request tracing is active and the queue name to be traced contained unprintable symbols. This message shows the same queue name in hexadecimal format.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHXQRQ

**Destination**
SYSPRINT

**DFHXQ0921I**  
*R12=prv IQ Entry INQUIRE browsetype Q=qname*  
*Task=tasknum region*

**Explanation**
Request tracing is active and a request is being traced on entry to the inquire module DFHXQIQ.

**System action**
Processing continues.

**User response**
None.

**Module:**
Explanation
Request tracing is active and a request is being traced on exit from the inquire module DFHXQIQ.

System action
Processing continues.

User response
None.

Module: DFHXQIQ

Destination
SYSPRINT

Explanation
Request tracing is active and the queue name to be traced contained unprintable symbols. This message shows the same queue name in hexadecimal format.

System action
Processing continues.

User response
None.

Module: DFHXQIQ

Destination
SYSPRINT

Explanation
CF access tracing is active and the result from an IXLLIST macro is being traced.

System action
Processing continues.

User response
None.

Module: DFHXQCF

Destination
SYSPRINT

Explanation
CF access tracing is active and a request is being traced on entry to the CF request module DFHXQCF.

System action
Processing continues.

User response
None.

Module: DFHXQCF

Destination
SYSPRINT

Explanation
CF access tracing is active and a request is being traced on exit from the CF request module DFHXQCF.

System action
Processing continues.

User response
None.

Module: DFHXQCF
**Destination**
SYSPRINT

**DFHXQ0944I**  
R12=prv CF Qname hex qname

**Explanation**
CF access tracing is active and the queue name to be traced contained unprintable symbols. This message shows the same queue name in hexadecimal format.

**System action**
Processing continues.

**User response**
None.

**Module:**  
DFHXQCF

**Destination**
SYSPRINT

---

**DFHXQ0999I**  
Trace text

**Explanation**
This message is used for non-specific debugging traces in multiple modules, for use by service personnel. It should not appear in normal execution unless debugging traces were deliberately activated.

**System action**
Processing continues.

**User response**
None.

**Module:**
various

**Destination**
SYSPRINT

---

**DFHXSnnnn messages**

**DFHXS0001**  
applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

**Explanation**
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, OC1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System action**
An exception entry is made in the trace table. A system dump is taken, unless you have specified dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain.

In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHXSAD, DFHXSCL, DFHXSDM, DFHXSF1, DFHXSYS, DFHXSLU, DFHXSPW, DFHXSRC, DFHXSS1, DFHXSTEM

**XMEOUT parameters/Message inserts**
1. `applid`
2. `aaa/bbbb`
3. `X'offset'`
4. `modname`

**Destination**
Console

**DFHXS0002  applid**
A severe error (code `X'code'`) has occurred in module `modname`.

**Explanation**
An error has been detected in module `modname`. The code `X'code'` is the exception trace point id which uniquely identifies what the error is and where the error was detected.

**System action**
An exception entry (code `X'code'` in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module `modname` is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module `modname`, you should bring CICS down in a controlled shutdown.

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHXSAD, DFHXSCL, DFHXSDM, DFHXSF1, DFHXSYS, DFHXSLU, DFHXSPW, DFHXSRC, DFHXSS1, DFHXSTEM

**XMEOUT parameters/Message inserts**
1. `applid`
2. `X'code'`
3. `modname`

**Destination**
Console

**DFHXS0004  applid**
A possible loop has been detected at offset `X'offset'` in module `modname`.

**Explanation**
A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module `modname` at offset `X'offset'`. This is the offset of the instruction which was executing at the time the error was detected.

**System action**
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which
exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHXSAD, DFHXSCL, DFHXSDM, DFHXSFL, DFHXSI, DFHXSLU, DFHXSPW, DFHXSRC, DFHXSST, DFHXSTM

XMEOUT parameters/Message inserts
1. applid
2. X'offset'
3. modname

Destination
Console

DFHXS0006 applid Insufficient storage to satisfy Getmain (code X'code') in module modname. MVS code mvscode.

Explanation
An MVS GETMAIN was issued by module modname, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

The code mvscode is the MVS GETMAIN return code.

System action
An exception entry is made in the trace table (code X'code'). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which rights itself if more storage becomes available. If you can manage without module modname, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. See the Configuring or the Improving performance for further information on CICS storage.

Module:
DFHXSAD, DFHXSCL, DFHXSDM, DFHXSFL, DFHXSI, DFHXSLU, DFHXSPW, DFHXSRC, DFHXSST, DFHXSTM

XMEOUT parameters/Message inserts
1. applid
2. X'code'
3. modname
4. mvscode

Destination
Console

DFHXS0200I date time applid External security initialization has been successfully tracked.
Explanation
An external security initialization performed on an active CICS system (via CEMT PERFORM SECURITY, or EXEC CICS SECURITY REBUILD) has been tracked to the XRF alternate system, and has completed successfully.

System action
None.

User response
None. You can suppress this message with the system initialization parameter, MSGlvl=0.

Module:
DFHXSWM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X’xx’
5. X’yy’

Destination
Console

DFHXS0201I date time applid External security initialization has been tracked, and has failed with return code X’xx’ and reason code X’y’.

Explanation
An external security initialization was performed on an active CICS system by use of a CEMT PERFORM SECURITY, or EXEC CICS SECURITY REBUILD.

The external security initialization has been tracked to the XRF alternate system, but has failed with return code xx and reason code yy.

xx and yy are the values placed in registers 15 and 0 by the external security manager.

System action
CICS provides a system dump of the active, and continues tracking security initializations.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
The security characteristics of the alternate system no longer match those of the active system. Either shut down the alternate system, perform a security rebuild at takeover, or accept the difference.

Use the return codes in the message, to determine why the security initialization failed.

If the codes are invalid, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHXSWM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. X’xx’
5. X’yy’

Destination
Console

DFHXS0202 date time applid An attempt to track external security initialization has failed, tracking data could not be sent.

Explanation
An external security initialization was performed on an active CICS system (via CEMT PERFORM SECURITY, or EXEC CICS SECURITY REBUILD).

It has not been tracked to an alternate system because the tracking data could not be sent.

System action
CICS provides a system dump of the active, and continues tracking security initializations.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
The security characteristics of the alternate will no longer match those of the active. Either shut down the alternate, perform a security rebuild at takeover, or accept the difference.

Module:
DFHXSWM

XMEOUT parameters/Message inserts
1. date
An attempt to track external security initialization has failed, tracking data could not be received.

**Explanation**
An external security initialization was performed on an active CICS system (via CEMT PERFORM SECURITY, or EXEC CICS SECURITY REBUILD).

The external security initialization has not been tracked to an alternate system because the tracking data could not be received.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**System action**
CICS provides a system dump of the alternate systems, and ceases to track the security initializations.

**User response**
The security characteristics of the alternate system no longer match those of the active system. Either shut down the alternate system, perform a security rebuild at takeover, or accept the difference.

**Module:** DFHXSWM

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*

**Destination**
CSCS

**Message DFHXS0203**

A attempt to track external security initialization has failed, tracking data could not be received.

**Message DFHME0116**

An external security initialization was performed on an active CICS system (via CEMT PERFORM SECURITY, or EXEC CICS SECURITY REBUILD).

It has been tracked to an alternate system but the tracking data was corrupted in transit.

**System action**
CICS provides a system dump of the alternate systems, and ceases to track the security initializations.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
The security characteristics of the alternate system no longer match those of the active system. Either shut down the alternate system, perform a security rebuild at takeover, or accept the difference.

**Module:** DFHXSWM

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*

**Destination**
CSCS

**Message DFHXS1100I**

Security initialization has started.

**Explanation**
This is an informational message indicating that security domain initialization has started.

**System action**
System initialization continues.

**User response**
None.

This message can be suppressed with the system initialization parameter MSGLVL=0.

**Module:** DFHXSDM

Chapter 2. CICS messages 2297
DFHXS1101I applid Security initialization has ended.

Explanation
This is an informational message indicating that security domain initialization has completed successfully.

System action
System initialization continues.

User response
None.
This message can be suppressed with the system initialization parameter MSGLVL=0.

Module:
DFHXSDM

DFHXS1102I applid Security is inactive.

Explanation
This is an informational message indicating that security is not active.

System action
System initialization continues.

User response
None.
This message can be suppressed with the system initialization parameter MSGLVL=0.

Module:
DFHXSDM

DFHXS1104 applid Default security could not be established for userid dfltuser. The security domain cannot continue, so CICS is terminated. SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas').

Explanation
CICS could not establish a security environment for the default userid dfltuser. The security domain cannot continue without a default user. The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY macro.
**System action**
CICS terminates.

**User response**
Use the external security manager codes to determine why the RACROUTE REQUEST=VERIFY operation failed. Then, either correct the errors for the failing default user and restart CICS, or restart CICS with a different default userid.

**Module:**
DFHXSDM

**XMEOUT parameters/Message inserts**
1. applid
2. dfltuser
3. X'safresp'
4. X'safreas'
5. X'esmresp'
6. X'esmreas'

**Destination**
Console

---

**DFHXS1105**  
*applid* Resource profiles for class *classname* have been built.

**Explanation**
The security resource profiles for the class *classname* have been successfully loaded into storage by the external security manager. The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=LIST macro.

The build of the profiles was requested by one of the following:
- The initialization of the security domain
- The CEMT command PERFORM SECURITY REBUILD
- A user-supplied transaction invoking the EXEC CICS PERFORM SECURITY REBUILD command.

**System action**
CICS is unable to provide reliable resource security, so it terminates.

**User response**
Use the external security manager codes to determine why the RACROUTE REQUEST=LIST operation failed. Rectify the problem in the external security manager, then restart CICS.

**Module:**
DFHXSRC

**XMEOUT parameters/Message inserts**
1. applid
2. classname
3. X'safresp'
4. X'safreas'
5. X'esmresp'
6. X'esmreas'

**Destination**
Console

---

**DFHXS1106**  
*applid* Resource profiles could not be built for class *classname*. CICS is terminated. SAF codes are (*X'safresp', X'safreas*'). ESM codes are (*X'esmresp', X'esmreas*').

**Explanation**
The security resource profiles for the class *classname* could not be loaded into storage by the external security manager. The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=LIST macro.

The build of the profiles was requested by one of the following:
- The initialization of the security domain
- The CEMT command PERFORM SECURITY REBUILD
- A user-supplied transaction invoking the EXEC CICS PERFORM SECURITY REBUILD command.

**System action**
CICS is unable to provide reliable resource security, so it terminates.

**User response**
Use the external security manager codes to determine why the RACROUTE REQUEST=LIST operation failed. Rectify the problem in the external security manager, then restart CICS.

**Module:**
DFHXSRC

**XMEOUT parameters/Message inserts**
1. applid
2. classname
3. X'safresp'
4. X'safreas'
5. X'esmresp'
6. X'esmreas'

**Destination**
Console

---

**DFHXS1107**  
*applid* Partner-LU profiles for class APPCLU have been built.
Explanation

The partner-LU profiles for the class APPCLU have been successfully loaded into storage by the external security manager.

System action

The profiles are used in subsequent bind authorization checks for LU6.2 sessions whose CONNECTION definition specifies BINDSECURITY(YES).

User response

None.

Module:
DFHXSRC

XMEOUT parameters/Message inserts

1. applid

Destination

Console

DFHX51108 applid Partner-LU profiles could not be built for class APPCLU. SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas').

Explanation

The partner-LU profiles for the class APPCLU could not be loaded into storage by the external security manager. CICS therefore has no APPCLU security profiles. The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=LIST macro.

The build of the profiles was requested by one of the following:

- The initialization of VTAM support in terminal control
- The CEMT command SET VTAM OPEN
- The CEMT command PERFORM SECURITY REBUILD
- A user-supplied transaction invoking the EXEC CICS SET VTAM OPEN command.
- A user-supplied transaction invoking the EXEC CICS PERFORM SECURITY REBUILD command.

System action

If the failure occurs during CICS initialization or PERFORM SECURITY REBUILD, CICS terminates. If the failure occurs during SET VTAM OPEN, the VTAM ACB is closed and CICS continues.

User response

Use the external security manager codes to determine why the RACROUTE REQUEST=LIST operation failed. Rectify the problem in the external security manager, then restart CICS.

Module:
DFHXSIS, DFHXSRC

XMEOUT parameters/Message inserts

1. applid
2. X'safresp'
3. X'safreas'
4. X'esmresp'
5. X'esmreas'

Destination

Console

DFHX51109 applid APPC PROFILE profile COULD NOT BE AUDITED. SAF CODES ARE (X'safresp',X'safreas'). ESM CODES ARE (X'esmresp',X'esmreas').

Explanation

An audit request for a partner-LU verification check has failed for profile profile.

During the start-up of an APPC session, each partner can validate the other. During this validation process, the system:

- Retrieves the relevant APPCLU profile from the external security manager
- Checks that the session key is still usable
- Requests the external security manager to write audit records concerning this profile and the validation to the system management facility (SMF).

The following events are audited:

- Whether the session partner was correctly validated
- Whether the session partner failed validation
- Whether the session key will expire in less than six days
- Whether the retrieved profile is "locked"
• Whether the session key is null, or all zero
• Whether the session key has expired.

The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=AUDIT macro.

System action
The CICS system is not affected by this event, and CICS continues.

User response
Use the external security manager codes to determine why the RACROUTE REQUEST=AUDIT operation failed. Correct the problem in the external security manager, then perform a security rebuild, if appropriate.

Module: DFHXSSB

Destination
Console

DFHXS1110 applid Security is requested, but the external security manager is inactive.

Explanation
Security was requested for this region, but the external security manager (ESM) was found to be inactive. The SEC system initialization parameter was specified as YES or left as its default value. CICS cannot initialize its security manager unless the ESM is active.

System action
CICS terminates.

User response
If you have an ESM installed on your system, ensure that it is active before attempting to start CICS. Otherwise, restart CICS without security by specifying SEC=NO as a system initialization parameter. Note that the SEC parameter cannot be entered as a console override.

Module: DFHXSIS

XMEOUT parameters/Message inserts

1. applid

Destination
Console

DFHXS1111 date time applid tranid Security violation by user userid { at netname | at console | portname for resource resource in class classname. SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas'). RACF request made was reqtype.

Explanation
CICS has detected a security violation by user userid while performing an authority check for resource resource in resource class classname.

If the userid causing the violation is signed on at a VTAM terminal, the phrase "at netname portname" reports the netname at which the violation occurred. If the userid causing the violation is signed on at a console, the phrase "at console portname" reports the console name at which the violation occurred. If the userid causing the violation is not signed on or this is a non terminal task, the entry port does not appear in this message as it is not available.

The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=FASTAUTH or RACROUTE REQUEST=AUTH macros. These return codes are described in the z/OS MVS Programming: Authorized Assembler Services Guide and in z/OS Security Server RACROUTE Macro Reference.

CICS can also issue this message when you use the EXEC CICS QUERY SECURITY command with the LOGMESSAGE(LOG) option.

System action
CICS abnormally terminates the task requesting the invalid access except under one of the following conditions:

• The command is issued within the scope of an EXEC CICS HANDLE NOTAUTH command.
• The command is issued as a result of an EXEC CICS QUERY SECURITY command.
User response
Note the security violation.

Module:
DFHXSRC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. userid
6. Value chosen from the following options:
   1. = at netname
   2. = at console
7. portname
8. resource
9. classname
10. X'safresp'
11. X'safreas'
12. X'esmresp'
13. X'esmreas'
14. reqtype

Destination
CSCS

DFHXS1112 applid The CICS region userid and groupid could not be determined. SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas').

Explanation
CICS could not determine the userid and groupid for this CICS region.
The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=FASTAUTH or AUTH macro.

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

User response
Use the external security manager codes to determine why the RACROUTE REQUEST=EXTRACT operation failed. Then, either correct the errors for the failing region userid and groupid, and restart CICS, or restart CICS with a different userid and groupid.

Module:
DFHXSIS

XMEOUT parameters/Message inserts
1. applid
2. X'safresp'
3. X'safreas'
4. X'esmresp'
5. X'esmreas'

Destination
Console

DFHXS1113 applid The region userid cannot access system transaction tranid. SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas').

Explanation
The region userid for this CICS system is not authorized to attach the system transaction tranid. It is a CICS requirement that the region userid must be able to access this transaction.
The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=FASTAUTH or AUTH macro.

System action
CICS will issue message DFHXS1404 and terminate.

User response
Authorize the CICS region userid to access all the required CICS system transactions, or specify a different region userid that does have the required authority. (The required transactions are documented as the 'Category 1' transactions in the CICS Security. To authorize the region userid to use these transactions, you should execute the sample clist DFH$CAT1, as described in the Installing CICS TS.) Then restart CICS.
Module: DFHXSRC

XMEOUT parameters/Message inserts
1. applid
2. tranid
3. X'safresp'
4. X'safreas'
5. X'esmresp'
6. X'esmreas'

Destination
Console

DFHXS116

**Explanation**
CICS has detected a security violation by user userid while performing an authority check for the UNIX System Services zFS file zfsfile. USS codes are (X'ussvalue',X'ussreturn',X'ussreason').

**System action**
If the userid causing the violation is using CICS Web support, the phrase "at IP address location" may be present. Otherwise, the location does not appear in this message as it is not available.

The response codes ussvalue, ussreturn, and ussreason are those returned by the UNIX System Services access function (BPX1ACC), and are described in z/OS UNIX System Services Messages and Codes (SA22-7807).

**User response**
Note the security violation.

Module: DFHXSPW

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. userid
6. Value chosen from the following options:
   7. Location
   8. zfsfile
   9. X'ussvalue'
   10. X'ussreturn'
   11. X'ussreason'

Destination
CSCS

DFHXS1201

**Explanation**
The password supplied in the verification request for userid userid was invalid. This occurred in transaction tranid when userid userid was signed on at netname netname.

**System action**
The external security manager also issues a message on the MVS/ESA security console.

CICS continues. No dump is taken.

**User response**
Supply the correct password, or contact your security administrator for assistance. If you continue to supply incorrect passwords, the userid may be revoked by the external security manager. A revoked userid can only be reinstated by a security administrator.
7. netname

Destination
CSCS

DFHXS1202  

The password supplied in the verification request for userid userid has expired. This occurred in transaction tranid when userid userid was signed on at netname netname.

Explanation
An expired password was supplied for user verification.

System action
CICS continues. No dump is taken.

User response
Contact your security administrator for assistance.

Module:
DFHXSPW

XMEOUT parameters/Message inserts
1. date
d. time
3. applid
4. userid
5. tranid
6. userid
7. netname

Destination
CSCS

DFHXS1205  

The userid userid supplied in a verification request is not defined in the ESM. This occurred in transaction tranid at netname netname.

Explanation
An undefined userid was supplied for user verification.

System action
CICS continues. No dump is taken.

User response
Contact your security administrator for assistance.

Module:
DFHXSPW

XMEOUT parameters/Message inserts
1. date
d. time
3. applid
4. userid
5. tranid
6. userid
7. netname

Destination
CSCS

DFHXS1203  

The userid userid supplied in the verification request for userid userid is revoked. This occurred in transaction tranid when userid userid was signed on at netname netname.

Explanation
A revoked userid was supplied for user verification.
Destination
CSCS

DFHXS1206  date time applid The password supplied in the verification request for userid userid was valid after password_failures failed attempts.

Explanation
A valid password was supplied for user verification after a number of invalid attempts.

System action
The count of the number of password failures is reset. CICS continues. No dump is taken.

User response
If this number of password failures is suspicious contact your security administrator.

Module:
DFHXSPW

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. password_failures

Destination
CSCS

DFHXS1211  date time applid The password supplied in a change password request for userid userid was invalid. This occurred in transaction tranid when userid userid was signed on at netname netname.

Explanation
An invalid password was supplied for change password processing.

System action
The external security manager also issues a message on the MVS security console.
CICS continues. No dump is taken.

User response
Supply the correct password or contact your security administrator for assistance. If you continue to supply incorrect passwords, the userid may be revoked by the external security manager. A revoked userid can only be reinstated by a security administrator.

Module:
DFHXSPW

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid

Destination
CSCS

DFHXS1213  date time applid The userid supplied in a change password request for userid userid is revoked. This occurred in transaction tranid when userid userid was signed on at netname netname.

Explanation
A revoked userid was supplied on a password change request

System action
CICS continues. No dump is taken.

User response
You should have the userid reinstated before it can be used. Contact your security administrator for assistance.

Module:
DFHXSPW

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
Explanation
An invalid new password was supplied on a password change request.

System action
CICS continues. No dump is taken.

User response
Select a suitable new password and try again. If necessary, contact your security administrator for assistance.

Module:
DFHXSPW

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. tranid
6. userid
7. netname

Explanation
An undefined userid was supplied on a password change request.

System action
CICS continues. No dump is taken.

User response
Contact your security administrator for assistance.

Module:
DFHXSPW

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. tranid
6. userid
7. netname

Explanation
The userid supplied on a password change request has a revoked connection to the default group in the ESM.

System action
CICS continues. No dump is taken.

User response
Contact your security administrator for assistance.

Module:
DFHXSPW

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid
5. tranid
6. netname

Destination
CSCS

DFHXS1217  date time applid A client certificate has been successfully registered for user userid.

Explanation
A client using the client authentication protocol of Secure Sockets Layer has presented a valid X.509 client certificate and a valid userid and password. CICS has successfully registered the certificate with the specified userid userid.

System action
The certificate is permanently associated with userid userid in the external security manager’s database.

User response
Whenever the client certificate is used again, userid userid will be assigned to it without further prompting for a userid and password.

Module: DFHXSPW

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. userid

Destination
CSCS

DFHXS1218  applid The CICS region userid userid is not authorized to access key ring keyring.

Explanation
The KEYRING system initialization parameter has been used to specify a key ring named keyring, but the CICS region userid (userid) does not have sufficient authority to access it.

System action
CICS continues. No dump is taken.

User response
Refer to the NIST SP800-131A section of the infocentre for advice on how to handle NIST SP800-131A compliance.
**Module:** DFHXSRN

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. violator

**Destination**
CSCS

**Explanation**
CICS is about to use a resource, the use of which will result in CICS no longer conforming to the NIST SP800-131A standard.

**System action**
CICS continues. No dump is taken.

**User response**
Refer to the NIST SP800-131A section of the infocentre for advice on how to handle NIST SP800-131A compliance.

**Module:** DFHXSRN

**XMEOUT parameters/Message inserts**
1. date
time
applid
violator

**Destination**
CSCS

**Explanation**
The kerberos realm realm is in use by this CICS region. This message can be produced if security is active.

**System action**
The CICS region uses the principal name for kerberos security.

**User response**
None.

**Module:** DFHXSRN

**XMEOUT parameters/Message inserts**
1. date
time
applid
violator

**Destination**
CSCS

**Explanation**
The use of violator will result in a violation of NIST SP800-131A.

**System action**
The CICS region uses the realm for kerberos security.

**User response**
None.

**Module:** DFHXSRN

**XMEOUT parameters/Message inserts**
1. date
time
applid
violator

**Destination**
CSCS

**Explanation**
The kerberos principal name principal name is in use by this CICS region. This message can be produced if security is active.

**System action**
The CICS region uses the principal name for kerberos security.

**User response**
None.
Explanation

There has been a request to an External Security Manager to inquire the client principal of a kerberos token obtained from a Security Token Service but the request failed. A request to inquire a client principal results in a call to one or more z/OS callable services that may have failed. An example of when an inquire the client principal request can be issued is with EXEC CICS VERIFY TOKEN. The reason shown in the message indicates the cause of the failure.

Reasons:

R_TICKETSERV service responded not authorized by ESM

The External Security Manager did not authorize a request to the z/OS R_TICKETSERV callable service to inquire a client principal.

Security not active

CICS security is not active.

ESM not active

The External Security Manager is not active.

KDC not active

The Key Distribution Center is not active.

KDC not responding

The Key Distribution Center is not responding.

R_TICKETSERV service responded not a kerberos region

A request to the z/OS R_TICKETSERV callable service to inquire a client principal returned a response from the External Security Manager that the CICS region is not defined to use kerberos.

R_TICKETSERV service responded invalid client principal name

A request to the z/OS R_TICKETSERV callable service to inquire a client principal returned a response from the External Security Manager that the client principal name is invalid.

R_TICKETSERV service responded invalid kerberos token

A request to the z/OS R_TICKETSERV callable service to inquire a client principal returned a response from the External Security Manager that the kerberos token is invalid.

R_TICKETSERV service responded ticket expired

A request to the z/OS R_TICKETSERV callable service to inquire a client principal returned a response from the External Security Manager that the interval during which the ticket is valid has expired.

R_TICKETSERV service responded authenticator expired

A request to the z/OS R_TICKETSERV callable service to inquire a client principal returned a response that the difference between the time in the kerberos token and the current system time exceeds the limit for the External Security Manager to authenticate.

Unclassified ESM error

A response from the External Security Manager was received which is not classified by CICS.

R_TICKETSERV service responded invalid server principal name

A request to the z/OS R_TICKETSERV callable service to inquire a client principal returned a response that the server principal in the kerberos token does not match the principal name associated with the CICS region userid.

R_USERMAP service responded no userid for client principal

A request to the z/OS R_USERMAP callable service responded that the External Security Manager does not have a userid mapped to the client principal name.
R_USERMAP service responded not authorized by ESM

The External Security Manager did not authorize a request to the z/OS R_USERMAP callable service to obtain the userid mapped to the client principal name.

R_GENSEC ACCEPT service responded attempted replay

The External Security Manager detected an attempt to replay a prior request. For example, there has been a second attempt to run EXEC CICS VERIFY TOKEN KERBEROS ENCRYPTKEY for the same kerberos token.

R_GENSEC ACCEPT service did not return an output token

The External Security Manager did not return an output token when expected for EXEC CICS VERIFY TOKEN KERBEROS OUTTOKEN.

Kerberos not configured

This CICS region is not configured to support Kerberos. To enable Kerberos support, specify the SIT parameter KERBEROSUSER with the user id associated with the service principal.

System action

CICS continues.

User response

Contact your security administrator for assistance. Your security administrator may also need the contents of messages DFHXS1400 and DFHXS1401.

Module:

DFHXSKR

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. Value chosen from the following options:
   1=R_TICKETSERV service responded not authorized by ESM.,
   2=Security not active.,
   3=ESM not active.,
   4=KDC not active.,
   5=KDC not responding.,
   6=R_TICKETSERV service responded not a kerberos region.,
   7=R_TICKETSERV service responded invalid client principal name.,
   8=R_TICKETSERV service responded invalid kerberos token.,
   9=R_TICKETSERV service responded ticket expired.,
   10=R_TICKETSERV service responded authenticator expired.,
   11=Unclassified ESM error.,
   12=R_TICKETSERV service responded invalid server principal name.,
   13=R_USERMAP service responded no userid for client principal.,
   14=R_USERMAP service responded not authorized by ESM.,
   15=R_GENSEC ACCEPT service responded attempted replay.,
   16=R_GENSEC ACCEPT service did not return an output token.,
   17=Kerberos not configured.

5. X'safresp'
   6. X'safreas'
   7. X'esmresp'
   8. X'esmreas'
   9. taskid
10. tranid
11. userid

Destination

CSCS

DFHXS1403 date time applid A request to a z/OS Callable Service failed during processing for encryption, reason = {R_GENSEC service responded not authorized by ESM. | Security not active. | ESM not active. | KDC not active. | KDC not responding. | Unclassified ESM error. | Invalid security context. | Invalid confidentiality state.} SAF codes are (X'safresp',X'safreas') ESM codes are (X'esmresp',X'esmreas') Taskid (taskid) Tranid (tranid) Task userid (userid)
Explanation

A request was made to z/OS Callable Service R_Gensec during processing related to encryption but the request failed. Examples of when this processing can occur include execution of commands EXEC CICS VERIFY TOKEN or EXEC CICS REQUEST ENCRYPTPTKT. The reason shown in the message indicates the cause of the failure.

Reasons:

- **R_GENSEC service responded not authorized by ESM**
  The External Security Manager did not authorize a request to the z/OS R_GENSEC callable service.

- **Security not active**
  CICS security is not active.

- **ESM not active**
  The External Security Manager is not active.

- **KDC not active**
  The Key Distribution Center is not active.

- **KDC not responding**
  The Key Distribution Center is not responding.

- **Unclassified ESM error**
  A response from the External Security Manager was received which is not classified by CICS.

- **Invalid context**
  The External Security Manager detected a security context is not valid or is no longer valid. An invalid value may have been supplied with an EXEC CICS command using the ENCRYPTTOKEN option.

- **Invalid confidentiality state**
  The External Security Manager failed an encryption request. For example, an EXEC CICS REQUEST ENCRYPTPTKT command was run but its ENCRYPTKEY option is associated with a kerberos token that originated from a system that does not support message confidentiality.

System action

CICS continues.

User response

Contact your security administrator for assistance. Your security administrator may also need the contents of messages DFHXS1400 and DFHXS1401.

Module:
DFHXSKR DFHXSPW

XMEOUT parameters/Message inserts

1. **date**
2. **time**
3. **applid**
4. Value chosen from the following options:
   1. **R_GENSEC service responded not authorized by ESM.**
   2. **Security not active.**
   3. **ESM not active.**
   4. **KDC not active.**
   5. **KDC not responding.**
   11. **Unclassified ESM error.**
   15. **Invalid security context.**
   16. **Invalid confidentiality state.**
5. **X'safresp'**
6. **X'safreas'**
7. **X'esmresp'**
8. **X'esmreas'**
9. **taskid**
10. **tranid**
11. **userid**

Destination

CSCS

DFHXS1404 applid The region userid cannot access one or more system transactions. CICS will terminate.

Explanation

The region userid for this CICS system is not authorized to attach one or more system transactions. It is a CICS requirement that the region userid must be able to access these transactions.

System action

CICS terminates.

User response

Authorize the CICS region userid to access all the required CICS system transactions, or specify a different region userid that does have the required authority. (The required transactions are documented as the 'Category 1' transactions in the CICS Security. To authorize the region userid to use these
transactions, you should execute the sample clist DFH$CAT1, as described in the Installing CICS TS.)

Then restart CICS.

**Module:**
DFHXSRC

**XMEOUT parameters/Message inserts**
1. **applid**

**Destination**
Console

<table>
<thead>
<tr>
<th><strong>DFHXS1500</strong></th>
<th><strong>date</strong></th>
<th><strong>time</strong></th>
<th><strong>applid</strong></th>
<th><strong>userid</strong></th>
<th><strong>esmappname</strong></th>
<th><strong>taskid</strong></th>
<th><strong>tranid</strong></th>
</tr>
</thead>
<tbody>
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</tr>
</tbody>
</table>

**Explanation**

A request to an External Security Manager was made for a PassTicket for task userid `userid` for use in a system with ESM application name `esmappname` but the request failed. Authorization by the External Security Manager failed. The request was made by task `taskid` using transaction id `tranid`.

**System action**
CICS continues.

**DFHYMnnnn messages**

<table>
<thead>
<tr>
<th><strong>DFHYM1000 E</strong></th>
<th><strong>date</strong></th>
<th><strong>time</strong></th>
<th><strong>applid</strong></th>
<th><strong>resourcetype</strong></th>
<th><strong>line</strong></th>
<th><strong>column</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

**Explanation**

In the resource overrides file, the specified resource type at line `line` and column `column` is invalid. Possible reasons are:

- **Resource type is too long.**
  Valid resource types are between 1 and 12 characters in length.

- **Colon delimiter is missing.**
  A resource type must be followed by a colon delimiter.

**User response**

Contact your security administrator for assistance in order to obtain the necessary authorization to request a passticket. The External Security Manager must have appropriate definitions for the task userid `userid` to have this authorization. For example, if the ESM is RACF, the task userid `userid` must have READ access to a profile in the PTKTDATA resource class that is associated with the ESM application name `esmappname`. For more information refer to 'Generating and using PassTickets for secure sign-on'.

**Module:**
DFHXSPW

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **userid**
5. **esmappname**
6. **taskid**
7. **tranid**

**Destination**
CSCS

**DFHYMnnnn messages**

<table>
<thead>
<tr>
<th><strong>DFHYM1000 E</strong></th>
<th><strong>date</strong></th>
<th><strong>time</strong></th>
<th><strong>applid</strong></th>
<th><strong>resourcetype</strong></th>
<th><strong>line</strong></th>
<th><strong>column</strong></th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
</tr>
</tbody>
</table>

**Explanation**

In the resource overrides file, the specified resource type at line `line` and column `column` is invalid. Possible reasons are:

- **Resource type is too long.**
  Valid resource types are between 1 and 12 characters in length.

- **Colon delimiter is missing.**
  A resource type must be followed by a colon delimiter.

**System action**
CICS terminates.

**User response**
Correct the identified resource type in the resource overrides file and restart CICS.

**Module:**
DFHAPYP

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **resourcetype**
5. **line**
6. **column**
7. Value chosen from the following options:
   1=Resource type is too long.
   2=Colon delimiter is missing.

Destination
CSMT

DFHYM1001 E  date time applid Unexpected text
'blocktype' on line line column
column in the resource overrides
file.

Explanation
In the resource overrides file, text blocktype on line
line at column column is invalid. In the line that
follows a resource expected values are "selector" or
"overrides".

System action
CICS terminates.

User response
Correct the identified error in the resource overrides
file and restart CICS.

Module:
DFHAPYP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. blocktype
5. line
6. column
7. Value chosen from the following options:
   1=Attribute name is too long.,
   2=Delimiter is missing.

Destination
CSMT

DFHYM1003 E  date time applid The override
action action for attributename on
line line column column in the
resource overrides file must start
on a new line.

Explanation
In the resource overrides file, the specified attribute
name at line line and column column is invalid.
Possible reasons are:

   1=Attribute name is too long.,
   2=Delimiter is missing.

System action
CICS terminates.
User response
Correct the identified error in the resource overrides file and restart CICS.

Module:
DFHAPYP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. action
5. attributename
6. line
7. column

Destination
CSMT

DFHYM1004 E date time applid Find override action on line line column column in the resource overrides file for the attribute attributename is missing a replace action.

Explanation
In the resource overrides file, a find override action was specified at line line and column column, but the associated replace action on the next line is either missing or invalid. The replace action must be followed by a colon and space before the replacement value.

System action
CICS terminates.

User response
Correct the identified error in the resource overrides file and restart CICS.

Module:
DFHAPYP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. line

Destination
CSMT

DFHYM1006 E date time applid Invalid selector condition | Invalid override action | 'name' for attribute 'attributename' found at line line column column in the resource overrides file.

Explanation
In the resource overrides file, at line line and column column an invalid selector condition-operator or action operator is specified for attribute attributename.

Invalid condition-operator
Valid condition-operators in a selector mapping are: is, literal, literalNot and not.

Invalid action-operator
Valid action-operators in an overrides mapping are: set, prefix, suffix, find and replace.
System action
CICS terminates.

User response
Correct the identified error in the resource overrides file and restart CICS.

Module:
DFHAPYP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=Invalid selector condition,
   2=Invalid override action
5. name
6. attributename
7. line
8. column

Destination
CSMT

DFHYM1007 E  date time applid Missing delimiter 'delimiter' on line line in the resource overrides file.

Explanation
In the resource overrides file, line line requires the delimiter delimiter.

System action
CICS terminates.

User response
Correct the identified error in the resource overrides file and restart CICS.

Module:
DFHAPYP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. delimiter
5. line

Destination
CSMT

DFHYM1008 E  date time applid Indentation of line line in the resource overrides file is incorrect.

Explanation
In the resource overrides file, the indentation of the line line does not match the preceding lines. All elements in a YAML block must be indented by the same number of spaces.

System action
CICS terminates.

User response
Correct the identified indentation error in the resource overrides file and restart CICS.

Module:
DFHAPYP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. line

Destination
CSMT

DFHYM1009 E  date time applid The attribute value for attribute 'attributename' at line line column column in the resource overrides file must be in quotes.

Explanation
In the resource overrides file, the attribute value for attribute attributename on line line column column starts with a wildcard character but it is not enclosed in quotes. Enclose any attribute value that starts with a wildcard character in quotes.

System action
CICS terminates.
User response
Add the missing quotes around the attribute values in the resource overrides file and restart CICS.

Module:
DFHAPYP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. attributename
5. line
6. column

Destination
CSMT

DFHYM1010 E  date time applid The comment that starts at column column on line line in the resource overrides file must be preceded by a space.

Explanation
In the resource overrides file, the comment that starts at column column on line line is not preceded by a space.

System action
CICS terminates.

User response
Add the missing space before the comment in the resource overrides file and restart CICS.

Module:
DFHAPYP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. attributename
5. line
6. column

Destination
CSMT

DFHYM1012 E  date time applid Invalid character found on line line column column in the resource overrides file.

Explanation
In the resource overrides file, after conversion from the UTF-8 character set to the IBM 037 coded character set, a substitute character was found for character at column column on line line. The resource overrides file might not be encoded in UTF-8, or the specified character at column column on line line cannot be converted from UTF-8 to IBM 037.
System action
CICS terminates.

User response
Correct the encoding of the resource overrides file or identify and remove the invalid character from the resource overrides file and restart CICS.

Module:
DFHAPYP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. line
5. column

Destination
CSMT

DFHYM1013 E  date time applid Escape character found at column column on line line in the resource overrides file.

Explanation
In the resource overrides file, the attribute value on line line contains the escape character (\) at column column. Resource override processing does not support character escaping. Characters in the valid character sets for the attribute values do not require character escaping.

System action
CICS terminates.

User response
Remove the escape character from the resource overrides file and restart CICS.

Module:
DFHAPYP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. action
5. column
6. line

Destination
CSMT

DFHYM1014 E  date time applid The 'action' action-operator at column column on line line in the resource overrides file is not valid in a selector mapping.

Explanation
In the resource overrides file, the override action-operator action is specified in a selector mapping at column column on line line. This action-operator action is valid only in an overrides mapping.

System action
CICS terminates.

User response
Remove the action from the resource overrides file and restart CICS.

Module:
DFHAPYP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. action
5. column
6. line

Destination
CSMT

DFHYM1015 E  date time applid The 'operator' condition-operator at column column on line line in the resource overrides file is not valid in an overrides mapping.

Explanation
In the resource overrides file, the selector condition-operator operator is specified in an overrides mapping at column column on line line. This condition-operator operator is valid only in a selector mapping.

System action
CICS terminates.
User response
Remove the condition-operator from the resource overrides file and restart CICS.

Module:
DFHAPYP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. operator
5. column
6. line

Destination
CSMT

DFHYM1016 E date time applid Duplicate attribute 'attributename' in a selector or overrides mapping at line line1 and line line2 in the resource overrides file is not allowed.

Explanation
In the resource overrides file, the attribute attributename at line line1 is already specified in the same selector or overrides mapping at line line2. Duplicate attribute names in a selector or overrides mapping are not valid.

System action
CICS terminates.

User response
Remove the duplicate attribute from the selector or overrides mapping in the resource overrides file and restart CICS.

Module:
DFHAPYP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. line
5. attributename

Explanation
In the resource overrides file, the find override action on line line for attribute attributename specifies a null string but an attribute value is required.

User response
Add the missing value to the find action in the resource overrides file and restart CICS.

Module:
DFHAPYP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. line
5. attributename

Destination
CSMT

DFHYM1018 E date time applid Unsupported multiline indicator 'mlind' at line line in the resource overrides file. Multiline strings are not supported.

Explanation
In the resource overrides file, a YAML multiline block scalar indicator mlind was found on line line. Multiline block scalar indicators '>', '>-', '>+ ', '|', '|-' and '|+' are not supported.

System action
CICS terminates.
User response
Respecify the entry on a single line in the resource overrides file and restart CICS.

Module:
DFHAPYP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mlind
5. line

Destination
CSMT

DFHYM1019 E date time applid The schemaVersion mapping is missing from the resource overrides file.

Explanation
In the resource overrides file, the schemaVersion mapping is not specified.

System action
CICS terminates.

User response
Add the missing schemaVersion mapping to the resource overrides file and restart CICS.

Module:
DFHAPYP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CSMT

DFHYM1020 E date time applid The resourceOverrides mapping is missing from the resource overrides file.

Explanation
In the resource overrides file, the resourceOverrides mapping is not specified.

System action
CICS terminates.

User response
Add the missing resourceOverrides mapping to the resource overrides file and restart CICS.

Module:
DFHAPYP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CSMT

DFHYM1021 E date time applid The schemaVersion 'schemaVersion' specifies an invalid {schema name / schema version number} in the resource overrides file.

Explanation
In the resource overrides file, the schemaVersion mapping specifies an invalid schema name or version number.

- The schema name must be resourceOverrides.
- The schema version number format is major.minor where major and minor are integers in range 0 through 2147483647.

System action
CICS terminates.

User response
Correct the schema name or version number in the resource overrides file and restart CICS.

Module:
DFHAPYP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. schemaVersion
5. Value chosen from the following options:
   1=schema name,
   2=schema version number

Destination
CSMT

**DFHYM1022 E**
date time applid Resource overrides schema version major.minor in the resource overrides file is not supported by this release of CICS.

**Explanation**
In the resource overrides file, the schema version defined on the schemaVersion mapping specifies a schema version of major.minor. This version of the resource overrides schema is not supported by this version of CICS.

**System action**
CICS terminates.

**User response**
Correct the schema version and remove any resource overrides that are not supported by the corrected schema version from the resource overrides file. Restart CICS.

**Module:**
DFHAPYP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid

**Destination**
CSMT

**DFHYM1023 E**
date time applid Resource overrides file uses an unsupported code page. The code page must be UTF-8.

**Explanation**
The resource overrides file cannot be processed because it is not encoded in UTF-8.

**System action**
CICS terminates.

**User response**
Ensure that the resource overrides file is saved using UTF-8 character encoding and restart CICS.

**Module:**
DFHAPYP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid

**Destination**
CSMT

**DFHZCnnnn messages**

**DFHZC0001**
applid An abend (code aaaa/bbbb) has occurred at offset X'offset' in module modname.

**Explanation**
An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).
System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.
CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.
Look up the MVS code, if there is one, in the z/OS MVS System Codes manual.
Next, look up the CICS abend code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.
If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.
If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.
For further information about code, see the Troubleshooting and support.
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHZGBM, DFHZGCA, DFHZGCC, DFHZGCN, DFHZGDA, DFHZGPC, DFHZGRP, DFHZGSL, DFHZGUB

XMEOUT parameters/Message inserts
1. applid
2. aaa/bbbb
3. X'offset'
4. modname

Destination
Console
DFHZC0002 applid A severe error (code X'code') has occurred in module modname.

Explanation
An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System action
An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.
CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.
CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.
If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHZGCA, DFHZGCC, DFHZGCN, DFHZGDA, DFHZGPC, DFHZGRP, DFHZGSL, DFHZGUB

XMEOUT parameters/Message inserts
1. applid
2. X'code'
3. modname

Destination
Console
DFHZC0003 applid Insufficient storage (code X'code') in module modname.
Explanation
A CICS GETMAIN was issued by module modname, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

System action
An exception entry is made in the trace table (code X'code' in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller. A message will be issued to this effect. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Inform the system programmer. Try increasing the size of the DSA or EDSA. See the Configuring or the Improving performance for more information on CICS storage.

Module:
DFHTCRP, DFHZGRP

XMEOUT parameters/Message inserts
1. applid
2. X'offset'
3. modname

Destination
Console

DFHZC0004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation
A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

System action
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:

XMEOUT parameters/Message inserts
1. applid
2. X'offset'
3. modname

Destination
Console
A predatory takeover has forced VTAM to allow another application to open the ACB which CICS was using.

**Explanation**

A predatory takeover is occurring. This means that a job is initializing which has the same applid as the CICS system. This initiates a takeover of the network. As a normal part of this process, VTAM drives the TPEND exit.

**System action**

All requests on VTAM sessions are abnormally terminated and the sessions closed. The VTAM ACB is then opened by the application which is using the same APPLID as the CICS region. The new system recovers any persisting sessions.

**User response**

If this takeover of the network was unintentional, you can prevent it happening in future by using RACF to protect the APPLID. Refer to the VTAM application security section in the z/OS Communications Server: SNA Network Implementation Guide, SC31-6434 for details of how to do this.

**Module:** DFHZGPC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. sessid
5. X'n'

**Destination**

CSNE

**Explanation**

A node initialization block (NIB) has been passed to CICS by VTAM during a persistent sessions restart. An attempt was made by CICS to match the NIB to a session TCTTE. The reason code explains the cause of the mismatch.
System action
The process NIB function is terminated. The session is unbound. CICS ignores this session and continues with the next session if there is one.

This situation has no effect on the restored CICS. The last catalogued CNOS values are restored.

User response
None.

Module:
DFHZGPC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sysid
5. modename

Destination
CSNE

DFHZC0112 date time applid No TCTME was found for sysid sysid modename modename during a persistent sessions restart.

Explanation
An error has occurred during persistent sessions restart. VTAM passed a NIB to CICS containing the named modename, but CICS was unable to locate the corresponding TCTME.

System action
The attempt to match the NIB to a TCTTE is terminated. The session is unbound.

A system dump is produced.

The CNOS values not related to this modegroup are restored, but the named modegroup cannot be recovered.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHZGPC

DFHZC0120I applid VTAM sessions persisted for a cold or initial start. Sessions terminated. Inquire issued icount, sessions persisting spcount, sessions terminated stcount.

Explanation
CICS is initializing with a cold or initial start, but some VTAM sessions have persisted from a previous CICS with a nonzero PSDI value.

CICS has attempted to terminate all persisting sessions. The message inserts are as follows:

- icount is the number of VTAM INQUIRE OPTCD=PERSESS commands issued.
- spcount is the number of VTAM sessions that persisted.
- stcount is the number of sessions that CICS has terminated with a CLSDST or TERMSESS macro. This should be equal to spcount. If it is not, persistent session recovery probably failed. Earlier messages explain why.

If there are no earlier messages, it is possible that the count obtained from the VTAM INQUIRE counts macro, indicating the number of active sessions, was not equal to the number of sessions that VTAM held persisting. This is not a problem.

System action
CICS continues.

User response
None.

Module:
DFHZGRP
2. icount
3. spcount
4. stcount

Destination

Console

**DFHZC0121I** applid VTAM sessions persisted for a WARM start. Sessions terminated. Inquires issued icount, sessions persisting spcount, sessions terminated stcount.

Explanation

CICS is initializing with a WARM start, but some VTAM sessions unexpectedly persisted from a previous CICS with a nonzero PSDI value.

CICS has attempted to terminate all persisting sessions. The message inserts are as follows:

- **icount** is the number of VTAM INQUIRE OPTCD=PERSESS commands issued.
- **spcount** is the number of VTAM sessions that persisted.
- **stcount** is the number of sessions that CICS has terminated with a CLSDST or TERMSESS macro. This should be equal to spcount. If it is not, persistent session recovery probably failed. Earlier messages explain why.

If there are no earlier messages, it is possible that the count obtained from the VTAM INQUIRE counts macro, indicating the number of active sessions, was not equal to the number of sessions that VTAM held persisting. This is not a problem.

System action

CICS continues.

User response

Examine the JOBLOG from the previous run to determine why sessions persisted despite a WARM shut down.

Module:

DFHZGRP

XMEOUT parameters/Message inserts

1. applid
2. icount
3. spcount
4. stcount

Destination

Console

**DFHZC0122I** applid VTAM sessions persisted for an EMERGENCY, XRF=YES start. Sessions terminated. Inquires issued icount, sessions persisting spcount, sessions terminated stcount.

Explanation

CICS is initializing with an EMERGENCY start, but XRF = YES has been specified and some VTAM sessions persisted unexpectedly from a previous CICS with a nonzero PSDI value.

CICS has attempted to close all persisting sessions. The message inserts are as follows:

- **icount** is the number of VTAM INQUIRE OPTCD=PERSESS commands issued.
- **spcount** is the number of VTAM sessions that persisted.
- **stcount** is the number of sessions that CICS has terminated with a CLSDST or TERMSESS macro. This should be equal to spcount. If it is not, persistent session recovery probably failed. Earlier messages explain why.

If there are no earlier messages, it is possible that the count obtained from the VTAM INQUIRE counts macro, indicating the number of active sessions, was not equal to the number of sessions that VTAM held persisting. This is not a problem.

System action

CICS continues.

User response

You should not mix XRF and persistent sessions. If you wish to use XRF, do a cold or initial start.

Module:

DFHZGRP

XMEOUT parameters/Message inserts

1. applid
2. icount
3. spcount
4. stcount

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Destination
Console

DFHZC0123I applid VTAM sessions persisted when OPEN VTAM ACB issued. Sessions terminated. Inquires issued icount, sessions persisting spcount, sessions terminated stcount.

Explanation
The VTAM ACB has been opened while CICS is running, however some VTAM sessions persisted either from a previous CICS with a nonzero PSDI value, or when the VTAM ACB was closed.

Persisting sessions have been terminated. The message inserts are as follows:

- icount is the number of VTAM INQUIRE OPTCD=PERSESS commands issued.
- spcount is the number of VTAM sessions that persisted.
- stcount is the number of sessions that CICS terminated with a CLSDST or TERMSESS macro. This should be equal to spcount. If it is not, persistent session recovery probably failed. Earlier messages explain the reason.

If there are no earlier messages, it is possible that the count obtained from the VTAM INQUIRE counts macro, indicating the number of active sessions, was not equal to the number of sessions that VTAM held persisting. This is not a problem.

System action
CICS continues.

User response
None.

Module:
DFHZGRP

XMEOUT parameters/Message inserts
1. applid
2. icount
3. spcount
4. stcount

Destination
Console

DFHZC0124I applid VTAM sessions persisted for an EMERGENCY start. Inquires issued icount, sessions persisting spcount, sessions terminated stcount, sessions OPNDSTed socount, sessions in error secound.

Explanation
CICS was initializing with an EMERGENCY start and some VTAM sessions persisted from a previous CICS with a nonzero PSDI value.

Each of the persisting sessions has been restored or terminated. The message inserts are as follows:

- icount is the number of VTAM INQUIRE OPTCD=PERSESS commands issued.
- spcount is the number of VTAM sessions that persisted.
- stcount is the number of sessions that CICS terminated with a CLSDST or TERMSESS macro. If an OPNDST failure occurred for an entire NIBLIST (see message DFHZC0129), the sessions in the NIBLIST have been terminated and this count includes these sessions.
- socount is the number of VTAM sessions that CICS restored successfully with an OPNDST OPTCD=RESTORE macro.
- secound is the number of sessions that CICS failed to restore.

System action
CICS continues.

User response
None.

Module:
DFHZGRP

XMEOUT parameters/Message inserts
1. applid
2. icount
3. spcount
4. stcount
5. socount
6. secound

Destination
Console
Explanation
CICS was initializing with an EMERGENCY start and some VTAM sessions persisted from a previous CICS with a nonzero PSDI value.

However, the session with a NETNAME of netname is terminated for one of the following reasons as indicated by the instance in the message. An AP exception trace entry is made for each instance as follows.

Instance
Point ID and Explanation
1
X'FB21' There is not enough storage to recover an APPC session.
2
X'FB22' There is not enough storage to recover a terminal session.
3
X'FB25' The NIB and the TCTTE with the same NETNAME were not of the same LU TYPE.

System action
An AP exception trace with a point ID as above is issued. The session is terminated and CICS continues.

User response
The exception trace point identifies where the message was issued and determines the action to take.

Module:
DFHZGRP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. sense
6. instance
7. Value chosen from the following options:
   1=DFHZGRP,
   2=DFHZGRP,
   3=DFHZGRP

Destination
CSNE

DFHZC0126I applid No VTAM sessions persisted for an EMERGENCY restart.

Explanation
CICS was initializing with an EMERGENCY start but no VTAM sessions persisted from a previous CICS run. Possible reasons are:

- No persistence was specified in the previous run.
- CICS crashed with the ACB open but no sessions were in use.
- The PSDI value expired.
- An error occurred before DFHZGRP could determine if any sessions persist.

System action
CICS continues.

User response
None.

Module:
DFHZGRP

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHZC0127 applid Cannot reestablish persisting sessions - VTAM ACB is closed. Code: X'code'. Module name: module

Explanation
The VTAM ACB has been opened and CICS is processing VTAM persisting sessions, however the ACB was closed, or is being closed by operator action before all the sessions could be restored or terminated.
System action
CICS continues to close the VTAM ACB and then runs without VTAM support.

User response
Determine why the operator closed the ACB and either continue without VTAM, dynamically open the ACB, or shut CICS down normally and restart it.

X'code' is the AP exception trace entry that determines which VTAM macro diagnosed the ACB as being closed and where it was issued.

Module:
DFHZGRP DFHZGUB

XMEOUT parameters/Message inserts
1. applid
2. X'code'
3. module

Destination
Console

DFHZC0128 applid Cannot reestablish persisting sessions - VTAM not responding. Module name: module

Explanation
CICS is processing VTAM persisting sessions. However it has issued a VTAM macro and has waited for 8 minutes for the response.

System action
If this occurs during start up, CICS terminates. If this occurs during dynamic open, the VTAM ACB is closed and CICS continues without VTAM.

A dump is taken for this message in both cases. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
You can restart CICS again immediately, or wait for the persistent sessions to time out and then restart CICS.

If this problem recurs you need to find out why VTAM is not responding to the INQUIRE or OPNDST macro (if the message is issued by DFHZGRP), or the CLSDST or TERMSESS macro (if the message is issued by DFHZGUB).

You can determine which macro is not responding by examining the TCP section of the dump and looking at the RPLs in the PS POOL labeled PS_RPL. The first RPL is for use by INQUIRE or OPNDST, the next 10 by CLSDST or TERMSESS.

Module:
DFHZGRP, DFHZGUB

XMEOUT parameters/Message inserts
1. applid
2. module

Destination
Console

DFHZC0129 applid VTAM OPNDST RESTORE failed. All sessions in the NIBLIST will be terminated instead. RTNCD,FDB2: X'rc',X'fd'. Code: X'code'

Explanation
CICS is processing VTAM persistent sessions during an EMERGENCY restart but VTAM returned a RTNCD,FDB2 of rc,fd in response to the OPNDST OPTCD=RESTORE macro.

System action
An AP exception trace entry, X'code', is made.

A system dump is taken on the first occurrence of this problem unless dumps have been specifically suppressed in the dump table.

CICS attempts to terminate all the sessions in the NIBLIST instead of restoring them. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Use the dump taken on the first occurrence of this problem or the exception trace entry and the z/OS Communications Server: SNA Programming to determine the meaning of the RTNCD,FDB2 and the actions necessary to correct it.

Module:
DFHZGRP

XMEOUT parameters/Message inserts
1. applid
2. X'rc'
3. X'fd'
4. X'code'

**Destination**

Console

DFHZC0130 applid VTAM INQUIRE PERSESS failed. Cannot restore any persisting sessions. RTNCD,FDB2: X'rc',X'fd'. Code: X'code'

**Explanation**

CICS is processing VTAM persistent sessions but VTAM returned a RTNCD,FDB2 of rc,fd in response to the INQUIRE OPTCD=PERSESS macro.

**System action**

An AP exception trace entry, X'code', is made.

A system dump is taken unless dumps have been specifically suppressed in the dump table.

If this occurs during initialization, CICS terminates.

If this occurs during a dynamic open of the ACB, CICS closes the ACB and continues to run without VTAM.

The sessions persist until the PSDI value times out or until VTAM operator commands are issued to terminate the sessions. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Use the dump or the exception trace entry and the z/OS Communications Server: SNA Programming to determine the meaning of the RTNCD,FDB2 and the actions necessary to correct it.

If the problem occurs during initialization, try to correct the error and then retry the start up, or wait until the PSDI value time expires and restart CICS.

If the problem occurs when the ACB was opened dynamically, you can repeat the command to open the VTAM ACB, or wait until the PSDI time expires and then repeat it.

**Module:**

DFHZGRP

**XMEOUT parameters/Message inserts**

1. applid
2. X'rc'
3. X'fd'

**Destination**

DFHZC0131 date time applid netname termid VTAM OPNDST RESTORE failed.

**Explanation**

CICS is processing VTAM persistent sessions and has issued an OPNDST OPTCD=RESTORE against a NIBLIST. However, the NIB identified by netname and a session or termid of termid failed to open successfully. This is probably because the session was terminated by the VTAM operator after INQUIRE OPTCD=PERSESS was issued.

**System action**

CICS continues.

**User response**

Reopen the session in the normal way.

**Module:**

DFHZGRP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. termid

**Destination**

CSNE

DFHZC0132 applid VTAM INQUIRE PERSESS failed. Cannot restore some persisting sessions. Network only partially restored. RTNCD,FDB2: X'rc',X'fd'. Code: X'code'

**Explanation**

CICS is processing VTAM persistent sessions but VTAM returned a RTNCD,FDB2 of rc,fd in response to a subsequent INQUIRE OPTCD=PERSESS macro.

**System action**

An AP exception trace entry, X'code', is made.
A system dump is taken unless you have specifically suppressed dumps in the dump table.

CICS continues with a partial network. Some of the sessions are usable, others are not until the PSDI value times out or the VTAM operator terminates the sessions that failed. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Use the dump or the exception trace entry and the z/OS Communications Server: SNA Programming to determine the meaning of the RTNCD,FDB2 and the actions necessary to correct it.

If enough of the network is available, wait until the PSDI value expires or use VTAM operator commands to terminate the sessions.

If the network is unusable, either close and reopen the VTAM ACB, or restart CICS.

Module:
DFHZGRP

XMEOUT parameters/Message inserts

1. applid
2. X'rc'
3. X'fd'
4. X'code'

Destination

Console

DFHZC0133A applid Persistent session recovery failed.

Explanation

CICS was initializing when an attempt to process VTAM persistent session failed. The reasons are given in earlier messages.

System action

CICS continues.

User response

None.

Module:
DFHSII1

XMEOUT parameters/Message inserts

1. applid
2. icount
3. spcount
4. stcount

Destination

Console

DFHZC0134I applid VTAM sessions persisted when OPEN ACB issued. Inquires issued icount, sessions persisting spcount, sessions terminated stcount, sessions OPNDSTed socount, sessions in error secount.

Explanation

The VTAM ACB has been opened while CICS is running, and some VTAM sessions persisted after VTAM abended.

Each of the persisting sessions has been restored or terminated. The message inserts are as follows:

- icount is the number of VTAM INQUIRE OPTCD=PERSESS commands issued.
- spcount is the number of VTAM sessions that persisted.
- stcount is the number of sessions that CICS terminated with a CLSDST or TERMSESS macro. If an OPNDST failure occurred for an entire NIBLIST (see message DFHZC0129), the sessions in the NIBLIST have been terminated and this count includes these sessions.
- socount is the number of VTAM sessions that CICS restored successfully with an OPNDST OPTCD=RESTORE macro.
- secount is the number of sessions that CICS failed to restore.

System action

CICS continues.

User response

None.

Module:
DFHZGRP

XMEOUT parameters/Message inserts

1. applid
2. icount
3. spcount
4. stcount
Destination

Console

**DFHZC0136** applid PSDI value indicated persistence but the run time VTAM does not support persistent sessions.

**Explanation**
The PSDI value is nonzero. This specifies that VTAM sessions are to persist across CICS failures. However, this release of VTAM does not support persistent sessions.

**System action**
CICS sets the PSDI value to 0 and continues without persistent session support.

**User response**
Reassemble the TCT against ACF/VTAM Release 3 Version 4 Modification 1 or higher in order to take advantage of CICS persistent session support.

To prevent this message being issued when using an earlier release of VTAM, set the PSDINT system initialization parameter to zero, and when using the EXEC CICS SET VTAM command, either omit, or specify a value of zero for the PSDINTERVAL operand.

**Module:** DFHZSLS

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**

Console

**DFHZC0140** applid SETLOGON PERSIST failed. RTNCD,FDB2: X'rc',X'fd'. Code: X'code'

**Explanation**
CICS was opening the VTAM ACB, setting the PSDI value from an operator command or doing a WARM shut down. It attempted to issue the VTAM command SETLOGON OPTCD=PERSIST or OPTCD=NOPERSIST. However, VTAM returned a RTNCD,FDB2 of rc,fd.

**System action**
An AP exception trace entry, code, is made.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

If the ACB was being opened, no VTAM sessions persist and the PSDI value is set to 0.

If just the PSDI value was being changed, either by the operator or during termination, the value is unchanged, both to CICS and to VTAM.

If this occurs during a VTAM shut down and some sessions are not closed, sessions may exist on VTAM start-up and are terminated then. Message DFHME0116, which contains the symptom string for this problem, is produced.
User response

Use the dump taken or the exception trace entry code and the z/OS Communications Server: SNA Programming to determine the meaning of the RTNCD,FDB2 and the actions necessary to correct it.

Module:
DFHZGSL

XMEOUT parameters/Message inserts

1. applid
2. X'rc'
3. X'fd'
4. X'code'

Destination
Console

DFHZN0144 date time applid sysid termid Synclevel 2 conversation started by netname before completion of exchange lognames. sense ((instance) Module name: {DFHZGDA})

Explanation
CICS has received an attach FMH5 for a synclevel 2 conversation from a partner with netname netname before exchange lognames processing is complete.

System action
A Deallocate(Abend) with sense code 08640001 is issued for the conversation.

User response
No further APPC synclevel 2 conversations can be started by the partner until exchange lognames processing is complete. Use CEMT to inquire on the status of the connection in order to determine whether exchange lognames has completed (see the CICS Supplied Transactions for more information).

Module:
DFHZGDA

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. sysid
5. termid
6. netname
7. sense
8. instance
9. Value chosen from the following options:
   1=DFHZGDA

Destination
CSNE

DFHZN0145 date time applid netname termid Synclevel 2 APPC conversation started before Exchange Lognames completed. Error occurred executing Deallocate(Abend). sense ((instance) Module name: {DFHZGDA | DFHZGDA})

Explanation
The APPC session termid with netname persisted during a CICS persistent sessions restart. The partner initiated a new synclevel 2 conversation before Exchange Lognames processing had completed. CICS attempted to issue a Deallocate(Abend) for the conversation. The Deallocate(Abend) could not be completed for the reason indicated by the instance in the message as follows.

Instance
Explanation
01
DFHZGDA called with chain Finite State Machine in unexpected state.

02
DFHZGDA called with bracket Finite State Machine in unexpected state

This imbed is inserted in DFHZNxxxx messages with sense inserts. For the meaning of sense , see message DFHNZC2400.

System action
The state of the session after the persistent sessions restart cannot be determined, and the session is deactivated in order to reset the states The sessions are reactivated.

User response
If the session is not successfully reactivated, check the CSNE log for messages indicating why the new BIND
failed. The session may have been set out of service by the VTAM operator.

**Module:**
DFHZGDA

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. termid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZGDA,
   2=DFHZGDA

**Destination**
CSNE
DFHZC0146

**Explanation**
CICS has restored the VTAM persistent session for terminal termid following a persistent sessions restart.
The equivalent message for APPC sessions is DFHZC0156.

**System action**
If recovery notification is specified for this terminal, the recovery message is sent to the terminal, or the transaction requested to run at recovery notification time is started.

**User response**
If required, code an NEP to override the recovery notification option originally specified in the TYPETERM definition for this session. See the Defining resources and the Developing system programs for CICS for more information.

**Module:**
DFHZXRC

---

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. sense
6. instance
7. Value chosen from the following options:
   1=DFHZXRC

**Destination**
CSNE
DFHZC0147

**Explanation**
An error has prevented the recovery of an APPC conversation which persisted across an emergency restart.
The session with a termid of termid is terminated. The reason and the corresponding AP exception trace entry are indicated by the instance in the message;

**Instance**

**Point ID and explanation**

1. X'FB79' SEND not executed due to invalid bracket state.
2. X'FB7B' Insufficient storage for session recovery.
3. X'FB76' Recovery status byte TCTE_PRSS contains an unexpected value.
4. X'FB7A' RECEIVE not executed due to invalid bracket state.
5. X'FB78' Unexpected sense received during persistent sessions recovery.
**System action**

An AP exception trace with a point ID as above is issued. The session is terminated and CICS continues.

**User response**

If recovery failed due to insufficient storage, try increasing the DSA or EDSA size limits (see the Developing system programs for CICS). If any of the other instances occur, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHZGDA

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. sysid
5. termid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZGDA,
   2=DFHZGDA

**Destination**

CSNE

**DFHZC0148**  

(date time applid sysid termid) VTAM send or receive failed during persistent sessions recovery. sense ((instance) Module name: (DFHZGDA | DFHZGDA))

**Explanation**

As part of session recovery following a persistent session restart CICS issued a VTAM SEND or RECEIVE. The VTAM request failed leaving the session in an unknown state. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

The session is terminated.

**User response**

To determine the cause of the problem, see the associated DFHZCnnnn message in the CSNE log. This message gives further diagnostic information on the failing VTAM request.

**Module:**

DFHZGDA

**DFHZC0149**  

(date time applid termid) Connection failure occurred during a persistent sessions restart sense ((instance) Module name: (DFHZNSP))

**Explanation**

During a persistent sessions restart, CICS has been notified of the failure of a session initiation request issued during the previous instance of CICS. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

Processing continues.

**User response**

None

**Module:**

DFHZNSP
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. sense
6. instance
7. Value chosen from the following options:
   
   1=DFHZNSP

Destination

CSNE

DFHZC0150  date time applid termid Error
processing the session state
data returned after a persistent
sessions restart. sense ((instance)
Module name: {DFHZXRC | DFHZXRC | DFHZXRC | DFHZXRC |
DFHZXRC | DFHZXRC | DFHZXRC | DFHZXRC |
DFHZXRC | DFHZXRC | DFHZXRC | DFHZXRC | DFHZXRC | DFHZXRC | DFHZXRC | }

Explanation

The VTAM session for terminal termid persisted during
da CICS persistent sessions restart, but an error
occurred while processing the session state data
returned by VTAM. The reason is indicated by the
instance in the message as follows.

Instance Explanation

01

DFHZXRC called with an invalid request.

02

TCTTEDA contains null characters instead of the
expected address.

03

Reserved

04

The vector key of the data passed by VTAM is not
correct.

05

The length of the vector_29 data is too short.

06

Unidentified cleanup action detected.

07

Unidentified recovery option detected.

08

Invalid cleanup action for RECOVOPTION(NONE).

09

Invalid cleanup action for RECOVOPTION(MESSAGE).

10

Invalid cleanup action for RECOVOPTION(TRANSACTION).

11

Reserved.

12

DFHZXRC has been driven to process an LU6
session.

13

Neither XRF nor persistent sessions recovery is in
progress DFHZXRC has been called in error.

This imbed is inserted in DFHZC xxxx messages with
sense inserts. For the meaning of sense, see message
DFHZC2400.

System action

The state of the session after the persistent sessions
restart cannot be determined, and the session is
terminated in order to reset the states. Non-APPC
sessions are restarted.

User response

If the session is not successfully restarted, check the
CSNE log for messages indicating why the new BIND
failed. The session may have been set out of service by
the VTAM operator.

Module:

DFHZXRC

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. sense
6. instance
7. Value chosen from the following options:
DFHZC0151  

Transaction transid was started invalidly. transid will terminate.

Explanation
Transaction transid was started invalidly. transid should only be ATTACHed by CICS. It should not be started by keying in through the terminal or by a START from a user program.

System action
transid will terminate.

User response
None

Module: DFHZSGN, DFHZPCT, DFHZRTP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. transid
5. transid

Destination
CSNE

DFHZC0152  

of user at termid termid failed following a persistent sessions restart. Return code rc was received from the user domain.

Explanation
CICS attempted to sign on a user following a persistent sessions restart. The user domain replied with one of the following return codes:

Return code Explanation
005 The user is already signed on.
006 The userid is not authorized for this terminal.
008 The user's access to the specific group has been revoked.
009 The security label associated with the userid in the ESM does not have the necessary authority.
010 The userid was not contained in the group specified.
011 The userid has been revoked.
012 The userid is not known to the ESM.
015 SEC=NO was specified in the SIT.
016 The ESM is not responding.
017 The ESM is not responding.
018 The ESM returned a response which was not recognized by the CICS security domain.
27 The user domain returned a disaster response.

System action
An AP exception trace with point ID FB9B is issued.
The terminal is available but the user is not signed on to it. The terminal has the attributes of the default user.

**User response**

Note the return code and take the necessary action. Look for messages output earlier by the ESM or the security domain. If no reason can be found:

**Module:**
DFHZSGN

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
4. `termid`
5. `termid`
6. `rc`

**Destination**
CSNE

**DFHZC0153**

A catalog write failed in the restart timer program.

**Explanation**

The restart timer program DFHZRTP has failed in an attempt to write a timer record to the catalog. If no timer records are written to the catalog terminals will not be signed on again after a Persistent Sessions restart.

**System action**

An exception trace is output.

**User response**

Investigate the cause of the error. There may be a problem with the global catalog. Look for other messages confirming this.

**Module:**
DFHZRTP

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`

**Destination**
CSNE

**DFHZC0154**

Timed start or cancellation of the restart timer program failed.

**Explanation**

A timed start or cancellation of the restart timer program DFHZRTP failed. This means that no timer records will be written to the global catalog and terminals will be timed out if a Persistent Sessions restart occurs.

**System action**

CICS initialization continues. In the event of a Persistent Sessions restart terminals will not be signed on.

**User response**

Look for earlier messages and trace entries output by the timer domain which may indicate the reason for the failure. The most likely reason is that CICS is short on storage.

**Module:**
DFHTCRP, DFHZPCT

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`

**Destination**
CSNE

**DFHZC0155**

Error occurred during processing of session state data returned after restart of persisting session.

**Explanation**

Error occurred during processing of session state data returned after restart of persisting session. Look for earlier messages and trace entries output by the timer domain which may indicate the reason for the failure. The most likely reason is that CICS is short on storage.

**Module:**
DFHZXPS

**XMEOUT parameters/Message inserts**

1. `date`
2. `time`
3. `applid`
### Explanation

The VTAM APPC session `sysid termid` persisted during a CICS persistent session restart, but an error occurred while processing the session state data returned by VTAM following an OPNDST OPTCD=RESTORE.

If the error needs further investigation, a dump is taken.

No dump is taken if one has already been taken for an earlier problem, or if the problem is known as one for which a session cannot be allowed to persist. An example of this is bind security processing not completing for this session when CICS terminated.

The reason and the corresponding AP exception trace entry are indicated by the `instance` in the message.

### Instance

**Point ID and Explanation**

<table>
<thead>
<tr>
<th>Instance</th>
<th>Point ID</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>X'FBFD'</td>
<td>During reject attach processing a call was made to DFHZGDA but DFHZGDA rejected the call with invalid format or invalid function.</td>
</tr>
<tr>
<td>2</td>
<td>X'FBFD'</td>
<td>An error occurred during reject attach processing. The session is in an unknown state.</td>
</tr>
<tr>
<td>3</td>
<td>X'FBD2'</td>
<td>The TCTE_PRSS status byte was set to 0 but reject attach processing was not taking place. This session state is not valid for entry to DFHZXPS.</td>
</tr>
<tr>
<td>4</td>
<td>X'FBE4'</td>
<td>An error occurred during DEALLOCATE ABEND processing. This will have been handled by DFHZGDA so no dump is taken but the session is terminated.</td>
</tr>
<tr>
<td>5</td>
<td>X'FBD2'</td>
<td>The TCTE_PRSS byte (persistent sessions status byte) contained an unknown value on entry to DFHZXPS.</td>
</tr>
<tr>
<td>6</td>
<td>X'FBE6'</td>
<td>The TCTE_PRSS_CV29_PTR (pointer to data returned by VTAM) contained zeroes on entry to DFHZXPS.</td>
</tr>
<tr>
<td>7</td>
<td>X'FBD3'</td>
<td>The CV29 data returned from VTAM had a zero length on entry to DFHZXPS.</td>
</tr>
<tr>
<td>8</td>
<td>X'FBD4'</td>
<td>The BIS flow data returned by VTAM showed BIS RQE1 received but the outbound BIS flow was not consistent with this.</td>
</tr>
<tr>
<td>9</td>
<td>X'FBD4'</td>
<td>The BIS flow data returned by VTAM showed BIS RQE3 received but the outbound BIS flow was not consistent with this.</td>
</tr>
<tr>
<td>10</td>
<td>X'FBD4'</td>
<td>The BIS flow data returned by VTAM showed that no BIS flow had been received but the outbound BIS flow was not consistent with this.</td>
</tr>
<tr>
<td>11</td>
<td>X'FBD4'</td>
<td>The BIS flow data returned from VTAM was not recognized.</td>
</tr>
<tr>
<td>12</td>
<td>X'FBD5'</td>
<td>The bid flow data returned by VTAM showed a request that was not recognized where this session is the contention winner.</td>
</tr>
<tr>
<td>13</td>
<td>X'FBD5'</td>
<td>The bid flow data returned by VTAM showed that a negative X'088B' response had been sent but there was nothing to indicate that the session was closing down. This session is the contention winner.</td>
</tr>
</tbody>
</table>
X'FBD5'
The bid flow data returned by VTAM contained a response that was not recognized where this session is the contention winner.

X'FBD5'
The bid flow data returned by VTAM was not recognized. This session is the contention winner.

X'FBD5'
The bid flow data returned by VTAM contained a request that was not recognized where this session is the contention loser.

X'FBD5'
The bid flow data returned by VTAM contained a negative X'088B' response but there was nothing to indicate that the session was closing down. This session is the contention loser.

X'FBD5'
The bid flow data returned by VTAM contained a response that was not recognized where this session is the contention loser.

X'FBD5'
The bid flow data returned by VTAM was not recognized. This session is the contention loser.

X'FBD8'
The RU category returned by VTAM in the CV29 data was not valid for LU6.2. (This session was the primary and the last flow was an outbound response.)

X'FBD8'
The RU category returned by VTAM in the CV29 data was not valid for LU6.2. (This session was the primary and the last flow was an inbound response).

X'FBD9'
DFHZXPS could not determine the direction of the last flow from the CV29 data returned by VTAM. (This session was the primary).

X'FBD8'
The RU category returned by VTAM in the CV29 data was not valid for LU6.2. (This session was the secondary and the last flow was an inbound request.)

X'FBD8'
The RU category returned by VTAM in the CV29 data was not valid for LU6.2. (This session was the secondary and the last flow was an outbound request.)

X'FBD8'
The RU category returned by VTAM in the CV29 data was not valid for LU6.2. (This session was the secondary and the last flow was an inbound request.)

X'FBD8'
The RU category returned by VTAM in the CV29 data was not valid for LU6.2. (This session was the secondary and the last flow was an outbound request).

X'FBD8'
The RU category returned by VTAM in the CV29 data was not valid for LU6.2. (This session was the secondary and the last flow was an outbound request).

X'FBD9'
CICS could not determine the direction of the last flow from the CV29 data returned by VTAM. (This session was the secondary.)

X'FBD9'
The last_message_to_flow byte contained an invalid value. This indicates a logic error in DFHZXPS.
The last inbound flow was a response that was not for the previous request.

A negative response was received that was not for a command and was not a X'0846' negative response.

The last inbound flow was a response that was not for this bracket. (This session is the primary and started the current bracket).

The last inbound flow was a response that was not for this bracket. (This session is the secondary and started the current bracket).

The last inbound flow was a response that was not for this bracket. (This session is the primary and did not start the current bracket).

The last inbound flow was a response that was not for this bracket. (This session is the secondary and did not start the current bracket).

The last flow was a positive response outbound and was not for the previous request.

The last flow was an inbound LUSTAT command that could not be identified.

The last flow was an outbound LUSTAT command that could not be identified.

The last flow was an outbound RTR request that was not processed by the bid analysis routine.

The last flow was an inbound command request that could not be identified.

The last flow was an inbound LUSTAT command but there was no corresponding outbound request.

The last flow was an inbound negative response to an LUSTAT request which could not be identified.

The last flow was an inbound response to an LUSTAT command but there was no corresponding outbound request.

The last flow was an inbound positive response to a command that could not be identified.

The last flow was an inbound negative response to an LUSTAT request which could not be identified.

The last flow was a negative response inbound to a BIS request that did not show up in the BIS flow data.

The last flow was a negative response inbound to a command that could not be identified.

The last flow was an inbound command that could not be identified.
The last flow was a positive response outbound to BIS that was not consistent with the BIS flow data.

51 X'FBDD'
The last flow was a positive response outbound to a command that could not be identified.

52 X'FBDC'
The last flow was a negative response outbound to BIS that was not consistent with the BIS flow data.

53 X'FBDD'
The last flow was an outbound negative response to a command that could not be identified.

54 X'FBE1'
The last request to flow was SIGNAL (expedited flow) but no normal flow data appears in the CV29 normal flow data area.

55 X'FBE1'
The last flow was a SIGNAL request (expedited flow). However analysis of the normal flow data shows both sides sending which is not possible. (Outbound flow was with EC.)

56 X'FBE1'
The last flow was a SIGNAL request (expedited flow). However analysis of the normal flow data shows both sides sending which is not possible. (Outbound flow was in chain.)

57 X'FBDF5'
The tctewin/tctelse bits in the TCTTE have not been set correctly.

58 X'FBDE'
The session is not in CS mode when analysis of the CV29 data shows that a call to DFHZGDA to ABEND the current transaction is required.

59 X'FBE7'
A SEND_FMH7 call to DFHZGDA was rejected because of a disastrous error in DFHZGDA.

60 X'FBE7'
A RECEIVE_FMH7 call to DFHZGDA was rejected because of a disastrous error in DFHZGDA.

61 X'FBE7'
A RECEIVE_FMH7 call to DFHZGDA was rejected with invalid_format or invalid_function.

62 X'FBE7'
A RECEIVE_FMH7 call to DFHZGDA was rejected because of a disastrous error in DFHZGDA.

63 X'FBE0'
Internal DFHZXPS logic error. The input parameters are invalid when a call is about to be made to DFHZGDA.

64 X'FBE5'
An invalid return code was received from a call to DFHTCPCL with ENTRY=DFHZRST1.

65 X'FBDE'
The tcte_bid_status byte contained an unrecognized value.

System action
An AP exception trace with a point ID is issued. The state of the session after the restart cannot be determined, and the session is terminated in order to reset the states. The session is restarted. A system dump is produced for all instances except 04.

User response
If the session is not successfully restarted, check the CSNE log for messages indicating why the new BIND failed. The session may have been set out of service by the VTAM operator.

Module: DFHZXPS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sysid
5. termid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZXPS,
   2=DFHZXPS,
   3=DFHZXPS,
   4=DFHZXPS,
   5=DFHZXPS,
   6=DFHZXPS,
   7=DFHZXPS,
   8=DFHZXPS,
   9=DFHZXPS,
   10=DFHZXPS,
   11=DFHZXPS,
   12=DFHZXPS,
   13=DFHZXPS,
   14=DFHZXPS,
   15=DFHZXPS,
   16=DFHZXPS,
   17=DFHZXPS,
   18=DFHZXPS,
   19=DFHZXPS,
   20=DFHZXPS,
   21=DFHZXPS,
   22=DFHZXPS,
   23=DFHZXPS,
   24=DFHZXPS,
   25=DFHZXPS,
   26=DFHZXPS,
   27=DFHZXPS,
   28=DFHZXPS,
   29=DFHZXPS,
   30=DFHZXPS,
   31=DFHZXPS,
   32=DFHZXPS,
   33=DFHZXPS,
   34=DFHZXPS,
   35=DFHZXPS,
   36=DFHZXPS,
   37=DFHZXPS,
   38=DFHZXPS,
   39=DFHZXPS,
   40=DFHZXPS,
   41=DFHZXPS,
   42=DFHZXPS,
   43=DFHZXPS,
   44=DFHZXPS,
   45=DFHZXPS,
   46=DFHZXPS,
   47=DFHZXPS,
   48=DFHZXPS,
   49=DFHZXPS,
   50=DFHZXPS,
   51=DFHZXPS,
   52=DFHZXPS,
   53=DFHZXPS,
   54=DFHZXPS,
   55=DFHZXPS,
   56=DFHZXPS,
   57=DFHZXPS,
   58=DFHZXPS,
   59=DFHZXPS,
   60=DFHZXPS,
   61=DFHZXPS,
   62=DFHZXPS,
   63=DFHZXPS,
   64=DFHZXPS,
   65=DFHZXPS

**Destination**

CSNE

DFHZC0156  date time applid sysid VTAM
APPC session termid successfully
recovered following a persistent
sessions restart. sense ((instance)
Module name: {DFHZXPS | DFHZXPS})
Explanation
CICS has restored the VTAM APPC persisting session for `sysid termid` following a persistent sessions restart.

The equivalent message for non-APPC sessions is DFHZC0146. Note that the RECOVNOTIFY option that applies to message DFHZC0146 is not applicable to APPC sessions.

System action
Processing continues.

User response
None.

Module:
DFHZXPS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sysid
5. termid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZXPS
   2=DFHZXPS

Destination
CSNE

**Explanation**
CICS was unable to restore the APPC persisting session for `sysid termid` following a persistent sessions restart. There are three possible reasons for this:

1. The BIND processing was incomplete when CICS failed.
2. Resynchronization was in progress for the session when CICS failed.
3. The recovery data returned by VTAM for the session was capable of more than one interpretation.

The TCTTE and TIOA are output for information only.

System action
The session is unbound and rebound.

User response
None.

Module:
DFHZXPS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sysid
5. termid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZXPS

Destination
CSNE

**Explanation**
CICS was attempting to write signon data for terminal `termid` to the global catalog so that the signon status could be recovered after a persistent sessions restart, but the catalog write failed.

System action
An exception trace is output. Loss of the data may mean that `termid` will not be signed on or off correctly after a persistent sessions restart.

User response
Investigate the cause of the error. Look for earlier messages and trace entries from the catalog domain indicating the cause of the error, for example the catalog may be full.
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. modename
6. netname
7. sysid

Explanation
CICS has made two attempts to implement the change number of sessions (CNOS) command for the modename modename on the APPC connection sysid. The command was not successful because of other activity on the modegroup. This only happens on modegroups which are very busy. The state of one or more of the sessions has changed during the processing of the CNOS request.

The CNOS command results from a connection acquire, a connection release, or a request for a specific modename on this system or the connected system. If the connected system is not CICS, commands specific to that system may have been used.

System action
The modegroup is left in the state reached after the second attempt to implement the changes.

User response
Use the CEMT INQUIRE MODENAME command to determine the current state of the modegroup. The command may show the modegroup as you expect for successful CNOS completion. This is because the command only shows data for available and active sessions. CICS may have had problems with CNOS values for loser sessions, which would not be apparent by using CEMT. If the values are not as required, reissue the original command.

Module:
DFHZGCA

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. tranid
5. modename
6. netname
7. sysid

Explanation
CICS has encountered an error while attempting to execute a change number of sessions (CNOS) command for the modename modename on the APPC connection sysid. The failure code X'code' is one of the following:

X'FBA2'
The request to create a lock manager lock for modename failed.

X'FBA3'
CICS could not allocate a session for the CNOS negotiation conversation.

X'FBA6'
The request to obtain a lock manager lock for modename failed.

X'FBAA'
modename was not found or has been defined with one of the reserved names SNASVCMG or CPSVCMG.

X'FBAB'
sysid is known, but not as a connection.

X'FBAC'
The specified connection sysid has no modegroups. This is probably caused by a storage overwrite.
X'FBAD'
The first modegroup on the specified connection sysid has no sessions. This is probably caused by a storage overwrite.

X'FBAF'
The receive command for the CNOS reply failed.

X'FBB1'
The send command for the CNOS command or CNOS reply failed.

X'FBB2'
The session for the single-session connection could not be found. This is probably caused by a storage overwrite.

X'FBB3'
sysid is not a known connection name.

X'FBB4'
The connection is defined to CICS as not supporting CNOS. This is probably caused by a storage overwrite.

X'FBB9'
CICS sent a CNOS command for a specific modename but the partner system returned a CNOS reply indicating all modegroups. This is a protocol violation.

System action
CICS makes an exception trace with ID AP xxxx; where xxxx is the code in the message. CICS takes a system dump for all failure codes except X'FBA2', X'FBA3', X'FBA6', X'FBAB', X'FBB1', and X'FBB9'. CICS continues without completing the request. The task does not abend. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
This depends on the error code as follows:

X'FBA2'
Follow the guidance given for the lock manager console message that precedes this.

X'FBA3'
If all the sessions are busy, make one available and retry.

X'FBA6'
Follow the guidance given for the lock manager message that precedes this.

X'FBAA'
Reissue the request with the correct modename.

X'FBAB'
Reissue the request with the correct connection name.

X'FBB3'
Reissue the request with the correct connection name.

X'FBB9'
Same as for X'FBB4'.

X'FBAB'
Same as for X'FBAF'.

X'FBB3'
Same as for X'FBAC'.

X'FBB4'
Same as for X'FBAC'.

X'FBB9'
Same as for X'FBB4'.

X'FBAC'
See the Troubleshooting and support for further guidance on storage problems.

X'FBAD'
Same as for X'FBAD'.

X'FBAC'
Same as for X'FBAC'.

Module:
DFHZGCN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. modename
6. netname
7. sysid
8. X'code'

Destination
CSNE

DFHZC0162 date time applid tranid CNOS transaction for connection sysid
The change number of sessions (CNOS) transaction program DFHZLS1 could not complete successfully. The error code X'code' is one of the following:

**X'FB92'**

The transaction was not started as an IC request with data or by an attach flow from a connected system. The insert subcode is the start code from XMIQ_START_CODE.

**X'FB93'**

The transaction was started with data, but no data was found.

**X'FB94'**

The transaction was started with data, but the data was not in the form of the correct parameter list.

**X'FB95'**

The transaction was started with the correct format parameter list, but the function code was invalid.

**X'FB96'**

The transaction was started by an attach from a connected system but there was no CNOS data.

**X'FB97'**

The transaction was started by an attach from a connected system but the associated data was not a CNOS command.

**X'FB9E'**

The transaction was started but CICS is shutting down and the VTAM ACB is closed.

This may have occurred because a number of CLS1 tasks were started before shutdown was issued but are held up because CICS was at MAXTASK. During shutdown the VTAM ACB was closed and this task was then started.

**System action**

CICS produces an exception trace, and except for in the case of an invalid start, a system dump is taken. The task terminates. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

This depends on the error code as follows:

**X'FB92'**

The transaction was probably started by entering the transaction ID at a terminal. This is not allowed.

**X'FB93'**

Analyze the dump to determine why IC could not find the data.

**X'FB94'**

Analyze the dump to determine what the data was.

**X'FB95'**

Analyze the dump to determine what the data was.

**X'FB96'**

Analyze the dump to determine why no data was available.

**X'FB97'**

Analyze the dump to determine why the correct data was not sent with the attach.

**X'FB9E'**

No action to take.

**Module:**

DFHZLS1

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. sysid
6. X'code'
7. X'subcode'

**Destination**

CSNE

**DFHZC0163**

date time applid termid User
signed on successfully at termid
following a persistent sessions restart.

**Explanation**

CICS successfully signed on a user at termid termid following a persistent sessions restart.

**System action**

CICS continues.
User response

None.

Module: DFHZSGN

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. termid

Destination

CSNE

DFHZC0164 date time applid termid Terminal termid was timed out by CICS following a persistent sessions restart.

Explanation

CICS attempted to sign on a user following a persistent sessions restart. The user could not be signed on because the RSTSIGNTIME value in the SIT had expired.

System action

CICS continues.

User response

The user is forced to sign on again.

Module: DFHZSGN

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. termid

Destination

CSNE

DFHZC0167 date time applid termid An attempt to sign off a user at termid termid failed following a multinode persistent sessions restart. Response code rc1 and reason code rc2 were received.

Explanation

CICS attempted to sign off a user at termid termid because of a signon timeout following a multinode persistent sessions restart. An exception or disaster response was received from the signon program DFHSNTU with one of the following reason codes:

Reason code

Explanation

002

There is no active ESM.

003

The ESM is not responding.

010

The terminal type is invalid for this operation.
017
The terminal has preset security.
019
Security is not active for this CICS.
022
The terminal is a surrogate terminal.
028
The ESM returned a response which was not recognized by the CICS security domain.
038
The signon program went into recovery following an ABEND.
048
The signon program detected a loop and went into recovery.
052
The signon program received a bad response from transaction manager.

System action
An AP exception trace with point ID FB9D is issued.

User response
Reason codes 002, 003, 019 and 028 indicate a problem with the ESM or the security domain. The remaining reason codes may indicate an internal error in CICS. Look for messages output earlier by the ESM or the security domain. If security was active when the problem occurred and there was no problem with the ESM or the security domain contact your IBM support center.

Module:
DFHZSGN

XMEOUT parameters/Message inserts
1. applid
2. grname

Destination
Console

DFHZC0170I applid CICS registered successfully to VTAM generic resource name grname.

Explanation
CICS has registered as a VTAM generic resource in the group grname.

System action
CICS continues. It is now possible to log on using the generic resource name.

User response
None.

Module:
DFHZGSL

XMEOUT parameters/Message inserts
1. applid
2. grname

Destination
Console

DFHZC0171 applid CICS registration as a VTAM generic resource in the group grname failed. VTAM return code: X'rc'. FDB2: X'fd'.

Explanation
CICS failed to register as a VTAM generic resource in the group grname.

VTAM returned a RTNCD,FDB2 of rc,fd in response to the SETLOGON OPTCD=GNAMEADD macro.

System action
An AP exception trace entry is output with trace point FB8E.

CICS continues without generic resource support.

User response
Use the z/OS Communications Server: SNA Programming to determine the meaning of the RTNCD,FDB2 and the actions necessary to correct the problem.

When the problem has been corrected a further attempt may be made to register CICS as a generic resource by closing and reopening the VTAM ACB.
DFHZGSL

XMEOUT parameters/Message inserts
1. applid
2. grname
3. X'rc'
4. X'fd'

Destination
Console

DFHZC0172I applid CICS deregistered successfully from VTAM generic resource name grname.

Explanation
CICS has deregistered from VTAM generic resource group grname.

System action
None. CICS will not reregister to the generic resource until the VTAM ACB has been closed and opened again.

User response
None.

Module:
DFHZGSL

DFHZC0173 applid CICS deregistration from VTAM generic resource name grname failed. VTAM return code: X'rc'. FDB2: X'fd'.

Explanation
CICS failed to deregister from VTAM generic resource group grname.

VTAM returned a RTNCD,FDB2 of rc,fd in response to the SETLOGON OPTCD=GNAMEDEL macro.

This may be due to a hardware failure in another part of the sysplex or to corruption of the TCT prefix causing CICS to attempt to deregister with the wrong name.

System action
An AP exception trace entry is output with a trace point of X'FB8E'.

User response
Use the z/OS Communications Server: SNA Programming to determine the meaning of the register 15 and register 0 values output by VTAM. If the problem is not caused by use of the wrong version of VTAM, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

DFHZC0174 applid Control block initialization has failed. Generic resource registration or deregistration will not be attempted. Return codes r15,r0.

Explanation
A call to a VTAM macro to initialize the node initialization block (NIB) before registering or deregistering as a VTAM generic resource has failed.

A possible explanation is that the wrong level of VTAM is being used.

System action
The values of register 15 and register 0 returned by VTAM are output.

An exception trace is output with trace point X'FBED'.

If registration was about to be attempted, CICS continues without generic resource support.
If deregistration was about to be attempted, ACB shutdown continues. VTAM removes CICS as a member for the generic resource name when the ACB is closed.

**User response**

Use the z/OS Communications Server: SNA Programming to determine the meaning of the register 15 and register 0 values output by VTAM. If the problem is not caused by use of the wrong version of VTAM, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHZGLS

**XMEOUT parameters/Message inserts**

1. applid
2. r15
3. r0

**Destination**
Console

**DFHZC0175**  
applid A value was specified for GRNAME but the assemble time or run time VTAM does not support generic resource registration.

**Explanation**

A value was specified for the GRNAME system initialization parameter. This indicates that CICS is to register as a VTAM generic resource. However, either DFHTCTxx was assembled against a release of VTAM that cannot support generic resource registration, or CICS is running on a VTAM earlier than release 4 version 2.

**System action**

CICS sets the generic resource name to blanks and continues without attempting generic resource registration.

**User response**

If you are running with ACF/VTAM Release 4 Version 2 or higher, reassemble the TCT against this level of VTAM in order to take advantage of CICS support for generic resource registration.

To prevent this message being issued when using an earlier release of VTAM, do not specify a value for the GRNAME system initialization parameter.

---

**Module:**
DFHZSLS

**XMEOUT parameters/Message inserts**

1. applid

**Destination**
Console

**DFHZC0176**  
date time applid VTAM was unable to execute a CHANGE OPTCD=ENDAFFIN macro to end an affinity between this application, which is a member of generic resource grname, and a remote LU with netid netid and netname netname. VTAM return code: X'rc', FDB2: X'fd', R15: X'r15'.

**Explanation**

An attempt was made to end an affinity between this CICS, which is a member of generic resource grname, and a remote LU with netid netid and netname netname by means of a SET CONNECTION ENDAFFINITY or PERFORM ENDAFFINITY command. The attempt has failed because a problem with VTAM prevented the VTAM CHANGE OPTCD=ENDAFFINITY macro from being issued.

VTAM has issued the return code-feedback (RTNCD,FDB2) X'rc',X'fd' in response to the CHANGE OPTCD=ENDAFFINITY macro.

R15 r15 is the register 15 value returned by VTAM.

**System action**

Processing continues. VTAM has made no attempt to end the affinity.

**User response**

See the z/OS Communications Server: SNA Programming for the meaning of the RTNCD,FDB2 and for guidance on correcting the problem.

When the problem has been corrected retry the command.

**Module:**
DFHZGCH

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. gname
5. netid
6. netname
7. $'rc'
8. $'fd'
9. $'r15'

Destination
CSNE

DFHSC0177 date time applid Connection sysid has created an affinity between this application, which is a member of generic resource gname, and a remote LU with netid netid netname netname.

Explanation
A generic resource member has established an APPC synclevel 2, APPC limited resource, or LU6.1 connection with another LU. For connections of these types VTAM creates affinities which are owned by CICS and have to be ended by the CICS operator using the SET CONNECTION ENDAFFINITY or PERFORM ENDAFFINITY command. The message is output whenever the connection is acquired but the affinity is not recreated for each acquire unless it has been ended in the meantime.

System action
Processing continues.

User response
None, but note that the affinity has to be ended before the partner LU can establish a connection with another generic resource member.

The affinity may be ended automatically by the connection quiesce transaction when the connection is released. However, it is not done if the system crashes or is shut down 'immediate' whilst the connection is still acquired.

Module:
DFHZNAC

DFHSC0178 date time applid An attempt to end an affinity between this application, which is a member of generic resource gname, and a remote LU with netid netid netname netname was rejected by VTAM. VTAM return code: $'rc'. $FDB2: $'fd'.

Explanation
An attempt was made to end an affinity between this CICS, which is a member of generic resource gname, and a remote LU with netid netid and netname netname using a SET CONNECTION ENDAFFINITY or PERFORM ENDAFFINITY command. The request has been rejected by VTAM.

VTAM has issued the return code-feedback (RTNCD,FDB2) $'rc'$,$'fd'$ in response to the CHANGE OPTCD=ENDAFFINITY macro.

System action
Processing continues.

User response
See the z/OS Communications Server: SNA Programming for the meaning of the RTNCD,FDB2 code and for guidance on correcting the problem.

When the problem has been corrected, retry the command if appropriate.

Module:
DFHZGCH

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. gname
5. netid
6. netname
7. $'rc'$
8. X'fd'

Destination
CSNE

DFHZC0179 I  date time applid Connection sysid netname netname is a link to generic resource grname member membername.

Explanation
A connection sysid from netname netname to generic resource grname has been established. The message is issued once for each connection acquire.

System action
Processing continues. The remote LU can now establish a connection with a different generic resource member.

User response
None.

Module:
DFHZGCH

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. grname
5. netid
6. netname

Destination
CSNE

DFHZC0180  date time applid An affinity between this application, which is a member of generic resource grname, and a remote LU with netid netid netname netname has ended successfully.

Explanation
VTAM has responded positively to an attempt to end an affinity with remote LU netid netid, netname netname. The affinity was ended implicitly by the connection quiesce transaction when the connection was released or explicitly by a SET CONNECTION ENDAFFINITY or PERFORM ENDAFFINITY command.

System action
Processing continues.

User response
None.

Module:
DFHZGCH

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. grname
5. netid
6. netname

Destination
CSNE

DFHZC0181  date time applid No affinity exists between this application, which is a member of generic resource grname, and a remote LU with netid netid netname netname. VTAM return code: X'14', FDB2: X'88'.

Explanation
An unsuccessful attempt was made to end an affinity between this CICS, which is a member of generic resource grname, and a remote LU with netid netid and netname netname using a SET CONNECTION ENDAFFINITY or PERFORM ENDAFFINITY command. VTAM has issued return code-feedback (RTNCD,FDB2) of X'14',X'88' in response to the CHANGE OPTCD=ENDAFFINITY macro indicating that no such affinity exists.

System action
Processing continues.
User response

Ensure that the values input to the SET CONNECTION ENDAFFINITY or PERFORM ENDAFFINITY command are correct.

Module: DFHZGCH

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. grname
5. netid
6. netname

Destination

CSNE

DFHZC0182 date time applid VTAM was unable to execute an INQUIRE OPTCD=NQN macro to determine the network qualified netname of logical unit luname. VTAM return code: X'rc', FDB2: X'fd', R15: X'r15'.

Explanation

CICS has attempted to determine the network qualified netname of logical unit luname. The request has failed because a problem with VTAM prevented the VTAM INQUIRE OPTCD=NQN macro from being issued.

VTAM has issued the return code-feedback (RTNCD,FDB2) X'rc',X'fd' in response to the INQUIRE OPTCD=NQN macro.

R15 r15 is the register 15 value returned by VTAM.

System action

The CICS component which requires the network qualified netname of the logical unit decides whether further action is called for.

User response

See the z/OS Communications Server: SNA Programming manual for the meaning of the RTNCD,FDB2 code and for guidance on correcting the problem.

Module: DFHZGIN

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. luname
5. X'rc'
6. X'fd'
7. X'r15'

Destination

CSNE

DFHZC0183 date time applid An attempt to determine the network qualified name of logical unit luname was rejected by VTAM. VTAM return code: X'rc'. FDB2: X'fd'.

Explanation

CICS has attempted to determine the network qualified name of logical unit luname. The request has been rejected by VTAM.

VTAM has issued the return code-feedback (RTNCD,FDB2) X'rc',X'fd' in response to the INQUIRE OPTCD=NQN macro.

System action

The CICS component which requires the network qualified name of the logical unit decides whether further action is called for.

User response

See the z/OS Communications Server: SNA Programming manual for the meaning of the RTNCD,FDB2 code and for guidance on correcting the problem.

Module: DFHZGIN

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. luname
5. X'rc'
6. X'fd'
Destination
CSNE
DFHZC0184 date time applid VTAM was unable to execute an INQUIRE OPTCD=SESSNAME macro to determine the member of generic resource set grname to which logical unit netid.luname is logged on. VTAM return code: X'rc', FDB2: X'fd', R15: X'r15'.

Explanation
CICS has attempted to determine the member of a generic resource set grname to which logical unit netid.luname is logged on. The attempt has failed because a problem with VTAM prevented the VTAM INQUIRE OPTCD=SESSNAME macro from being issued.

VTAM has issued the return code-feedback (RTNCD,FDB2) X'rc',X'fd' in response to the INQUIRE OPTCD=SESSNAME macro.

System action
The CICS component which requires the member name decides whether further action is called for.

User response
See the z/OS Communications Server: SNA Programming manual for the meaning of the RTNCD,FDB2 code and for guidance on correcting the problem.

Module:
DFHZGIN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. grname
5. netid
6. luname
7. X'rc'
8. X'fd'
9. X'r15'

Destination
CSNE
DFHZC0185 date time applid An attempt to determine the member of generic resource set grname to which logical unit netid.luname is logged on was rejected by VTAM. VTAM return code: X'rc'. FDB2: X'fd'.

Explanation
CICS has attempted to determine the member of generic resource set to which grname logical unit netid.luname is logged on. The request has been rejected by VTAM.

VTAM has issued the return code-feedback (RTNCD,FDB2) X'rc',X'fd' in response to the INQUIRE OPTCD=SESSNAME macro.

System action
The CICS component which needs to know where the logical unit is logged on determines whether any further action is called for.

User response
See the z/OS Communications Server: SNA Programming manual for the meaning of the RTNCD,FDB2 code and for guidance on correcting the problem.

Module:
DFHZGIN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. grname
5. netid
6. luname
7. X'rc'
8. X'fd'
9. X'r15'

Destination
CSNE
DFHZC0186 date time applid Connection sysid which is a member of generic resource grname has a duplicate remote LU netname netname. sense ((instance) Module name: (DFHZOPN | DFHZOPN))
Explaination

Node nodeid attempted to log on to CICS but the logon is invalid.

The nodeid in the message always starts with the netname of the node attempting to connect to CICS. For some instances of the message resulting from an APPC log on, the modename of the session is concatenated to the netname with a dot separator. Since a string consisting of eight blanks is the default modename, this can lead to idiosyncratic formatting of the message.

If the message is issued by DFHZATA, CICS has failed in its attempt to autoinstall the terminal or connection. The instance instance is one of the following:

1

During the acquire process for a secondary session CICS attempted to add the membername of the partner to a table but this name already exists for a different generic resource connection.

2

During the acquire process for a secondary session CICS attempted to add the membername of the partner to a table but this name has just been used as the netname of a terminal by an install occurring at the same time as the install of this connection.

System action

The acquire of the connection continues.

User response

Use the instance number to determine why the netname already exists:

1

Use the CEMT INQUIRE CONNECTION API to see which generic resource has the same membername.

Since this problem should not occur under normal circumstances, you may need further assistance from IBM.

2

Investigate why the LU name of the partner is the same as the LU name of a terminal and remove one of the definitions.

Module:

DFHZOPN, DFHZOPN

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. sysid
5. grname
6. netname
7. sense
8. instance
9. Value chosen from the following options:
   1=DFHZOPN,
   2=DFHZOPN

Destination

CSNE

DFHZC0187 date time applid Reset of connection sysid failed following the ending of an affinity between this application and a remote LU with generic resource name grname member name applid. The connection was locked by task taskid, transaction tranid.

Explanation

CICS has failed to reset connection sysid after an affinity was ended successfully. A lock was held by task taskid, transaction tranid.

System action

Processing continues but the state of the connection is undetermined. The lock on the connection should be released when task taskid ends.

User response

If appropriate, use the information in the message to find out why there was a lock on the connection. If the connection is left in a state where it cannot be acquired, delete and reinstall it.

Module:

DFHZGCH

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
**Destination**

CSNE

**DFHZC0199**  
CICS has recovered after a system failure. Execute recovery procedures. {Already signed on. | Please sign on.}

**Explanation**

This message is sent to a terminal when the associated VTAM session is successfully recovered following a persistent sessions restart of CICS.

This is the default message issued by CICS if RECOVNOTIFY(MESSAGE) is specified on the TYPETERM for a device (see the Defining resources), or in the node error program (see the Developing system programs for CICS). If RECOVNOTIFY(MESSAGE) is used, it is recommended that the CICS supplied sample mapset DFHXMSG be tailored to meet the installation recovery requirements.

**System action**

Processing continues.

**User response**

Sign on if required, and take any recovery actions required.

**Module:**  
DFHZNAC

**Destination**

Terminal End User

**DFHZC0200**  
applid An attempt by the COVR transaction to OPEN VTAM has failed with return code X’retcode’; the COVR transaction will terminate.

**Explanation**

The COVR transaction has repeatedly attempted an EXEC CICS SET VTAM OPEN, but the operations have failed. The OPEN ACB has issued the return code retcode.

**System action**

CICS continues. The COVR transaction terminates and the SET VTAM OPEN is not retried.

**User response**

Investigate the reason for VTAM being unavailable. See the z/OS Communications Server: SNA Programming manual for an explanation of the ACB return code.

**Module:**  
DFHZCOVR

**XMEOUT parameters/Message inserts**

1. applid
2. X’retcode’
DFHZC2109 E  Unexpected response from Recovery Manager following resynchronization of LU6.1 session termid with remote system sysid.

Explanation
Recovery manager was invoked during resynchronization of an LU6.1 session, but gave an unexpected response. This is due to an internal logic error.

System action
A system dump is taken unless dumps have been specifically suppressed in the dump table.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHZZNAC

XMEOUT parameters/Message inserts

<p>| | | | | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>1.</td>
<td>date</td>
<td>2.</td>
<td>time</td>
<td>3.</td>
</tr>
<tr>
<td>4.</td>
<td>termid</td>
<td>5.</td>
<td>sysid</td>
<td>6.</td>
</tr>
<tr>
<td>7.</td>
<td>instance</td>
<td>8.</td>
<td>Value chosen from the following options:</td>
<td></td>
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<tr>
<td></td>
<td>1=DFHZRAC,</td>
<td></td>
<td></td>
<td>2=DFHZRAC</td>
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</table>

DFHZC2114 E  A SEND response failed during receive-any processing. sense ((instance) Module name: (DFHZRAC))

Explanation
A SEND response issued on a receive-any RPL failed, or was not accepted by VTAM. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
If a task is attached, it is abnormally terminated with a transaction dump. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
A subsequent message in the log indicates the reasons for the failure. Refer to this message for further information and guidance.

Module:
DFHZRAC

Destination
CSNE

Potential CICS hang detected following a SEND to node netname, CID X'cid'. Investigation is required. ((instance) Module name: (DFHZRAC))

Explanation
CICS has issued a VTAM SEND macro to send a response but no notification has been received that the response has completed. Until this SEND operation completes, one of the limited number of receive-any RPLs remains unusable (the number of receive-any RPLs is defined by the RAPOOL system initialization parameter).

This is a serious condition. If all the receive-any RPLs become unusable in this way, CICS is unable to accept any new requests from VTAM. Similarly, a reduction in the number of available receive-any RPLs can adversely affect terminal performance and transaction throughput.
Additionally, while the RPL is hanging, a normal CICS shutdown might be unable to complete.

The CID is the 32-bit VTAM communication identifier which was assigned when the session was established.

**System action**

CICS continues to monitor for the SEND operation to complete. Until this happens, CICS reissues this message at approximately three minute intervals.

**User response**

This problem is usually caused by a failure in the network which stops the SEND completing. Check the session and the associated logical unit to ensure that there is no error condition which stops VTAM completing the SEND request.

**Module:**

DFHZRAC

**XMEOUT parameters/Message inserts**

1. **applid**
2. **termid**
3. **netname**
4. **X’cid’**
5. **instance**
6. Value chosen from the following options:
   1. =DFHZRAC

**Destination**

Console

DFHZC2116 E  
(date time applid)  
Resynchronization of LU6.1 session termid with remote system sysid failed.

**Explanation**

Resynchronization of an LU6.1 session with a remote system has failed to complete for one of the following reasons:

1. There is an apparent inconsistency between the sequence numbers in the two systems
2. There was a protocol error during the exchange of the sequence numbers
3. Neither system requested resynchronization, but there was a shunted unit of work associated with the session.

**System action**

1. A system dump is taken unless dumps have been specifically suppressed in the dump table.
2. The TCTTE for the session on which the error occurred is printed. The local system’s sequence numbers, and the numbers or responses received from the remote system can be found in the TCTTE.
3. The failure of resynchronization is reported to recovery manager. Recovery manager issues diagnostics relating to any unit of work affected by the failure.

**User response**

1. Determine whether changes to data in the local and remote system are synchronized. Diagnostics issued by recovery manager will help you to do this. If necessary, take action to resynchronize the data.
2. Determine why the resynchronization failure happened. You will normally need assistance from IBM to do this. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHZRSY, DFHZSCX, DFHZSEX

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **termid**
5. **sysid**

**Destination**

CSNE

DFHZC2117 E  
(date time applid termid tranid)  
Data received on pipeline session exceeds RAIA size. (instance)

**Explanation**

CICS has received data on a pipeline session which is larger than the initial I/O area allocated for the receive any RPL. The size of the receive any input area (RAIA) is specified on the RAMAX system initialization parameter.

**System action**

CICS ends the session which sent the data and marks it out of service. CICS will also attempt to...
abnormally terminate any running transactions which were initiated from this session.

**User response**

Increase the value of the RAMAX system initialization parameter so that it is at least equal to the largest RUSIZE (from the CINIT) specified for a pipeline session.

**Module:** DFHZRAC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. instance
7. Value chosen from the following options:
   1. $DFHZRAC$

**Destination**

CSNE

DFHZC2118 applid Receive Any stall for netname netname.

**Explanation**

All the CICS Receive Any RPLs have been posted but the TCTTE for each one is waiting for a response from a VTAM terminal or session. All the Receive Any RPLs have been stalled for 10 dispatches of the TCP task (CSTP). This message is produced for each session that is in this situation. A VTAM session has not responded to a command such as BID or SHUTD sent by CICS. This is typically caused by a protocol error.

**System action**

CICS is NOT running with system initialization parameter RAPOOL=(n,n,FORCE) so CICS VTAM activity is held up until one of the commands completes.

**User response**

Determine why the pool pipeline terminal is violating the protocol.

**Module:** DFHZRAC

sessions are LU6.2 then the above command will inactivate the partner APPLID to VTAM.

Investigate why the CICS terminal control commands that have caused the stall have not completed. If this is due to a protocol error from the partner or device, attempt to get the protocol error corrected.

Consider increasing the number of Receive Any RPLs specified in the RAPOOL System Initialization parameter. For instance, if you were using the old default of 2, increase this to the new default of 50.

If you still get this message after changing the RAPOOL value consider running CICS with system initialization parameter RAPOOL=(n,n,FORCE), which attempts to issue CLSDST for all the offending sessions or terminals and to re-issue the Receive Any RPLs.

**Module:** DFHZRAC

**XMEOUT parameters/Message inserts**

1. applid
2. netname

**Destination**

Console

DFHZC2119 E date time applid termid tranid LUSTAT received on pipeline session incorrectly requests a definite response. ((instance)
Module name: DFHZRAC)

**Explanation**

CICS has received data on a pipeline session that violates the pipeline protocol. An LUSTAT SENSE 08310000 'Device Powered Off' was received from the device requesting a definite response, but only EXC responses are allowed.

**System action**

CICS ends the session that sent the data and marks it out of service. CICS also attempts to abnormally terminate any running transactions initiated from this session.

**User response**

Determine why the pool pipeline terminal is violating the protocol.

**Module:** DFHZRAC
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. instance
7. Value chosen from the following options:
   1 = DFHZRAC

Destination

CSNE

DFHZC2300 APPLID Recovery action requested for connection sysid.

Explanation

The XZIQUE global user exit program has been invoked by CICS because of a potential problem with the connection. The global user exit has used return code UERCAKLL indicating that throughput on the connection is abnormally low and some exceptional action is required. The poor performance of the connection can be caused by:

- Poor response on the receiving end
- Increased load on the sending end.

The condition may be intermittent. Message DFHZC2301 may follow indicating that the connection has recovered.

This message may also occur when the XZIQUE global user exit is disabled but the connection has been at the QUEUELIMIT for MAXQTIME where both parameters are specified in the connection definition.

System action

CICS cancels all transactions which have outstanding queued requests to use the connection.

User response

Investigate the cause of the poor performance of the connection. Check the availability and condition of the connected system.

Module:
DFHZISP

XMEOUT parameters/Message inserts

1. APPLID
2. sysid

Destination

Console

DFHZC2301I APPLID Connection sysid operating normally following recovery action.

Explanation

Message DFHZC2300 has been issued for this connection. The connection has now recovered and is operating normally.

System action

Processing continues.

User response

None

Module:
DFHZISP

XMEOUT parameters/Message inserts

1. APPLID
2. sysid

Destination

Console

DFHZC2302 applid SETLOGON start command rejected

Explanation

CICS issues the SETLOGON START command after a successful OPEN VTAM ACB. The SETLOGON START command is rejected in the following cases:

- The CICS OPEN VTAM ACB was successful, but VTAM subsequently terminated abnormally, or
- The CICS OPEN VTAM ACB was successful, but insufficient system storage was available to satisfy the SETLOGON START command, or
- The CICS OPEN VTAM ACB was successful, but VTAM was subsequently terminated by a VTAM HALT QUICK command.

System action

If the error occurs during CICS initialization, CICS abnormally terminates with a U2302 abend and a system dump.
If the error occurs as a result of a CEMT or EXEC CICS SET VTAM OPEN, CICS terminates the task abnormally with abend code ATC2 and a transaction dump, and the VTAM ACB is closed.

**User response**

The VTAM return code can be found in RTNCD-FDBK2 in the first RPL in the RA pool addressed from TCTVRVRA in the system dump or the transaction dump.

Use the z/OS Communications Server: SNA Programming manual, (SC23-0115-3), to determine the cause of the error and the actions necessary to correct it.

After correcting the error, either reinitialize CICS (for abend U2302) or follow the suggestions documented for abend ATC2.

**Module:**

DFHZSLS

**XMEOUT parameters/Message inserts**

1. *applid*

**Destination**

Console

DFHZC2303  *applid* RECEIVE-ANY command rejected. Code: *X'code'*

**Explanation**

This message is issued when the ACB has been opened either during initialization or dynamic open. DFHZGRP was initiating the VTAM RECEIVE-ANY's but VTAM was short on storage or the VTAM HALT QUICK command was issued.

**System action**

An exception entry code is made in the trace table.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

If the error occurs during CICS initialization, CICS issues message DFHZC0133 and terminates.

If the error occurs as a result of a CEMT or EXEC CICS SET VTAM OPEN, CICS closes the VTAM ACB.

**User response**

The VTAM return code can be found in RTNCD-FDBK2 in the RPL, which is either in the exception trace entry code, or in the RA pool addressed from TCTVRVRA in the system dump.

Use the z/OS Communications Server: SNA Programming manual, (SC31-6436), to determine the cause of the error and the actions necessary to correct it.

After correcting the error, either reinitialize CICS or reopen the VTAM ACB.

**Module:**

DFHZGRP

**XMEOUT parameters/Message inserts**

1. *applid*

2. *X'code'*

**Destination**

Console

DFHZC2303  *applid* No storage available when initiating RECEIVE-ANY's. Code: *X'code'*

**Explanation**

While trying to acquire receive-any I/O areas, the SETLOGON START VTAM command found that storage was not available.

**System action**

CICS terminates with a dump. An exception entry code is made in the trace table.

A system dump is taken unless dumps have been specifically suppressed in the dump table.

Message DFHZC0133 is issued.

**User response**

Reduce the size of the RAMAX value in the system initialization table (SIT).

For further information, see the Improving performance.

**Module:**

DFHZGRP

**XMEOUT parameters/Message inserts**

1. *applid*

2. *X'code'*

**Destination**

Console
**Explanation**

Either CICS or VTAM is being terminated, or a dynamic close of the VTAM ACB has been requested.

**System action**

All CICS-VTAM sessions are closed and the ACB is closed. If termination is not orderly, active transactions are abnormally terminated.

**User response**

When VTAM is active, communication may be resumed by using the main terminal operator command CEMT SET VTAM OPEN.

**Module:**

DFHZSHU

**XMEOUT parameters/Message inserts**

1. **applid**

**Destination**

Console

**DFHZC2307 applid CICS VTAM ABNORMALLY QUIESCING (modname).**

**Explanation**

An RPL request has completed without a TCTTE token, for other than a VTAM storage shortage.

**System action**

CICS performs a FORCECLOSE of the ACB.

CICS may produce this message twice as both module DFHZRAC and module DFHZSYX may detect the condition.

**User response**

When VTAM has been restarted, issue a CEMT SET VTAM OPEN.

**Module:**

DFHZRAC, DFHZSYX

**Destination**

Console

**DFHZC2308 applid TCP Task WAIT failed. Unexpected response from DSSR WAIT_OLDW call (RESPONSE X'xx', REASON X'yy').**

**Explanation**

The TCP task wait has failed. The TCP dispatcher module, DFHZDSP, has received an unexpected response, with response code X'xx' and reason code X'yy' from the DSSR WAIT_OLDW call.

**System action**

CICS abends with abend U1800 and a system dump is produced.

**User response**

Determine the cause of the TCP task wait failure. Investigate the dump in conjunction with any other accompanying error messages or exception trace entries which may have been issued by dispatcher domain.

**Module:**

DFHZDSP

**XMEOUT parameters/Message inserts**

1. **applid**
2. **X'xx'**
3. **X'yy'**

**Destination**

Console

**DFHZC2309 APPLID Recovery action requested for connection sysid using mode group modename.**

**Explanation**

The XZIQUE global user exit program has been invoked by CICS because of a potential problem with the connection. The global user exit has used return code UERCAKLM indicating that throughput on the connection is abnormally low and some exceptional action is required. The poor performance of the connection can be caused by:

- Poor response on the receiving end
- Increased load on the sending end

The condition may be intermittent. Message DFHZC2310 may follow indicating that the mode group has recovered.
System action
CICS cancels all transactions which have outstanding queued requests to use this mode group.

User response
Investigate the cause of the poor performance of the mode group. Check the availability and condition of the connected system.

Module:
DFHZISP

XMEOUT parameters/Message inserts
1. APPLID
2. sysid
3. modename

Destination
Console

DFHZC2310I APPLID Connection sysid using mode group modename operating normally following recovery action.

Explanation
Message DFHZC2309 has been issued for this mode group. The mode group has now recovered and is operating normally.

System action
Processing continues.

User response
None.

Module:
DFHSIT

Destination
Terminal End User

DFHZC2316 applid VTAM ACB is closed

Explanation
CICS and VTAM have been disconnected. This may be because:

• CICS is terminating, or
• VTAM is terminating, or
• The CICS main terminal operator has issued

SET VTAM {CLOSED | IMMCLOSE | FORCECLOSE}

System action
The VTAM ACB is closed.

User response
If VTAM has not terminated, connection with VTAM can be reestablished by using main terminal operator commands.

Module:
DFHZSHU

XMEOUT parameters/Message inserts
1. applid

Destination
Console

DFHZC2312 *** WELCOME TO CICS ***

Chapter 2. CICS messages 2363
DFHZC2318  applid The autoinstall user program progname is not enabled. Module modname.

Explanation
While opening the VTAM ACB, CICS found that no installed program definition exists for the autoinstall user-program progname specified in the SIT.

System action
Other processing continues.

User response
If you want to use autoinstall, produce an installed program definition for the autoinstall user-program progname specified in the SIT.

Module:
DFHSIJ1, DFHZOPA

XMEOUT parameters/Message inserts
1. applid
2. progname
3. modname

Destination
Console

DFHZC2319  applid Unable to close VTAM ACB RC=xx error code=yy

Explanation
The VTAM ACB CLOSE request failed.

System action
CICS continues as if the ACB is closed. (It is not really closed.)

User response
Refer to the z/OS Communications Server: SNA Programming manual for an explanation of the return and error codes.

The return code xx is the VTAM return code in Register 15. The error code yy is the ACB error flag 'ACBERFLG'.

Module:
DFHZSHU

XMEOUT parameters/Message inserts
1. applid
2. xx
3. yy

Destination
Console

DFHZC2320  CORRUPTED TCTTE ADDRESS FOUND DURING SHUTDOWN.

Explanation
A DFHTC CTYPE=LOCATE macro has returned an error indication while shutting down VTAM. This implies that the TCTTE chain has been corrupted, possibly by an overlay of the table manager control blocks.

System action
CICS is abnormally terminated with a system dump.

User response
Investigate the dump to determine the cause of the problem.

Module:
DFHZSHU

Destination
Console

DFHZC2350A  Date Time Applid CICS Terminal Control shutdown threshold (mm minutes) exceeded. Sessions still active: sesslist ((instance) Module name: (DFHZSHU))

Explanation
CICS' attempt to shut down the network has not been completed within the time period allowed. This time period, the terminal control shutdown wait threshold, is specified by the TCSWAIT system initialization parameter.

In the message, mm is the value of TCSWAIT, and sesslist is the VTAM network names of the first 10 (if there are that many) hung VTAM terminals.

System action
CICS issues this message to both the CSNE transient data queue and the operating system console. This message is issued to the operating system console.
with an MVS write to operator (WTO) message descriptor code of 2. This means that the message is held by the operating system (that is, it does not roll off the screen) until the operator deletes it. For each hung VTAM session, message DFHZC2351 is also issued. DFHZC2351 gives further details of the session and is issued only to the CSNE transient data queue. CICS may attempt a FORCECLOSE on the session (see message DFHZC2351 for further details) but otherwise CICS terminal control shutdown continues as normal.

This message, DFHZC2350, is not processed by DFHZNAC (node abnormal condition program), so the condition cannot be intercepted by the installation's DFHZNEP (node error program). Note however that DFHZC2351 is processed by DFHZNAC and may be intercepted by the installation's DFHZNEP.

User response

Note the message, then delete it from the operating system console using the MVS CONTROL E (or KE) system command. See message DFHZC2351 for further guidance.

Module: DFHZSHU

XMEOUT parameters/Message inserts

1. Date
2. Time
3. Applid
4. mm
5. sesslist
6. instance
7. Value chosen from the following options:
   1=DFHZSHU

Destination

CSNE and Console

DFHZC2351 Date Time Applid termid netname Session still active after TC shutdown threshold expired. Reason: (01 Request in progress | 02 Task still active | 03 Waiting for SHUTC | 04 Waiting for BIS | 05 Waiting for UNBIND | 06 Waiting for RTR | 07 BID in progress | 08 Other TC work pending | 99 Undetermined) sense ((instance)
Module name: {DFHZSHU}).

Explanation

CICS' attempt to shut down the network has not been completed within the time period allowed. The time period, the terminal control shutdown wait threshold, is specified by the TCSWAIT system initialization parameter. This message is issued for each VTAM terminal that is still active (not shut down) after the time period has expired.

In the message termid and netname are respectively, the CICS terminal identifier, and the VTAM network name of the hung terminal. One of the following is also included in the message to indicate the reason for the hang:

01
  Request in progress

02
  Task still active

03
  Waiting for SHUTC

04
  Waiting for BIS

05
  Waiting for UNBIND

06
  Waiting for RTR

07
  BID in progress

08
  Other TC work pending

99
  Undetermined

System action

CICS may attempt a FORCECLOSE on the session but otherwise CICS terminal control shutdown continues normally. Whether CICS attempts a FORCECLOSE depends upon:

- The coding of the TCSACTN system initialization parameter, and
- How the installation's DFHZNEP (node error program) handles this condition.

If either of the following conditions is true:

- TCSACTN=UNBIND, and this action is not changed by DFHZNEP,
• TCSACTN=NONE, and this action is changed to FORCECLOSE (UNBIND) by DFHZNEP

CICS terminal control issues a VTAM CLSDST and sends an SNA UNBIND command. If neither of the conditions is true, no special action is taken.

**Note:**

CLSDST is not guaranteed to work in all circumstances.

The first 10 terminals (if there are that many) reported by this message are also included in message DFHZC2350.

**User response**

Check the state of the terminal. Check whether the associated DFHZC3437 message includes CLSDST. If DFHZC3437 does not include CLSDST, or it does but the CLSDST still fails to complete, take appropriate action outside of CICS to shut down the terminal.

If after a reasonable interval, terminal control shutdown still fails to complete (message DFHZC2316 is not displayed), take one of the following actions:

- FORCECLOSE the CICS/VTAM ACB.
- Perform a CICS CEMT PERFORM SHUTDOWN IMMEDIATE.
- Cancel the CICS job from the operating system console.

**Warning:** Do not perform one of these actions unless there are no other suitable actions to take.

The reason why the terminal does not shutdown is more likely to be a problem with the terminal device or the network, than with CICS.

If messages DFHZC2350, DFHZC2351, and DFHZC2352 are issued too early or too late in the shutdown process, take appropriate steps to change the TCSWAIT system initialization parameter on future runs of CICS. Once CICS has initialized, TCSWAIT cannot be changed.

**Module:**

DFHZSHU

**XMEOUT parameters/Message inserts**

1. Date
2. Time
3. Applid
4. termid
5. netname
6. Value chosen from the following options:
   - 1=01 Request in progress,
   - 2=02 Task still active,
   - 3=03 Waiting for SHUTC,
   - 4=04 Waiting for BIS,
   - 5=05 Waiting for UNBIND,
   - 6=06 Waiting for RTR,
   - 7=07 BID in progress,
   - 8=08 Other TC work pending,
   - 99=99 Undetermined
7. sense
8. instance
9. Value chosen from the following options:
   - 1=DFHZSHU

**Destination**

CSNE

**DFHZC2352**

*DATE TIME APPLID* sysid netname

Intersystem parallel connection still active after TC shutdown threshold expired. ((instance) Module {DFHZSHU}).

**Explanation**

CICS' attempt to shut down the network has not been completed within the time period allowed. The time period, the terminal control shutdown wait threshold, is specified by the TCSWAIT system initialization parameter. This message is issued for the first VTAM intersystem parallel session in each connection (LU Type 6.1 and LU Type 6.2, but not LU Type 6.2 single-session APPC terminals) that is still active (not shut down) after the time period has expired.

In the message *sysid* and *netname* are respectively, the CICS system identifier and the VTAM network name.

**System action**

If the TCSACTN=FORCE system initialization parameter has been specified CICS will attempt to force close the CICS VTAM ACB, provided that CNOS close processing has completed for LU Type 6.2 parallel session connections, otherwise CICS terminal control shutdown continues as normal. This message is not processed by DFHZNAC (node abnormal condition program), so the condition cannot be intercepted by the installation's DFHZNEP (node error program). Parallel connections reported by this message are not included in message DFHZC2350.
User response

If the TCSACTN=FORCE system initialization parameter has not been specified, or has been specified but the VTAM ACB still does not close, check the state of the connection. Take appropriate action outside of this CICS system to shut down the connection.

If messages DFHZC2350, DFHZC2351, and DFHZC2352 are issued too early or too late in the shutdown process, take appropriate steps to change the TCSWAIT system initialization parameter on future runs of CICS. Once CICS has initialized TCSWAIT cannot be changed.

Module:
DFHZSHU

XMEOUT parameters/Message inserts

1. DATE
2. TIME
3. APPLID
4. sysid
5. netname
6. instance
7. Value chosen from the following options:
   1=DFHZSHU

Destination

CSNE and Console

DFHZC2400 E date time applid termid tranid Error not supported. sense ((instance)
Module name: {DFHZSYX | DFHZSYX | DFHZSYX | DFHZSYX | DFHZSYX | DFHZSYX | DFHZSYX | DFHZSYX | DFHZSYX | DFHZSYX})

Explanation

CICS received an unexpected error code from VTAM.

This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

The sense data consists of three hexadecimal values - xx yy zzzz, where xx is the VTAM sense information byte, yy is the VTAM sense modifier byte, and zzzz represents two bytes of user sense information. The possible values of xx are as follows:

xx meaning

X'00'
User sense data only (see zzzz)
X'08'
Request reject
X'10'
Request error
X'20'
State error
X'40'
Request header (RH) usage error
X'80'
Path error

For the meaning of yy, see the Systems Network Architecture Formats (GA27-3136) manual.

System action

CICS terminates the session. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Use the symptom string, and if necessary the transaction dump, to determine the source of the error.

Module:
DFHZSYX

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSYX,
   2=DFHZSYX,
   3=DFHZSYX,
   4=DFHZSYX,
   5=DFHZSYX,
   6=DFHZSYX,
Explanation

CICS attempted to request VTAM services using a request parameter list (RPL) that is currently active. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action

CICS terminates the session. If a task is attached, it is abnormally terminated with a transaction dump. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Use the symptom string, and if necessary, the transaction dump to determine the source of the error.

Module:
DFHZRVS, DFHZSDA, DFHZSDL, DFHZSDS, DFHZSES, DFHZSKR, DFHZRVL, DFHZSDR, DFHZSDL

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRVS,
4. termid  
5. tranid  
6. netname  
7. sense  
8. instance  
9. Value chosen from the following options:  
   1=DFHZRAS

**Destination**  
CSNE

**DFHZC2403E**  
*date time applid termid tranid Bind failure. sense ((instance) Module name: {DFHZSYX | DFHZSYX})*

**Explanation**  
An attempt to establish a session has failed. This can be because a physical path to the device could not be found for one of the following reasons:

- The device does not exist
- The device has been defined incorrectly
- The device has rejected the bind

This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

If this is a LU62 or LU61 session and the partner LU has sent sense bytes of X'0835nnnn' where nnnn is the offset of the NETNAME in the BIND. This indicates that the partner LU was unable to find a suitable session.

If the sense bytes are X'08010000', this can mean that the partner LU has failed to autoinstall a connection.

If the VTAM RETURN CODE FEEDBACK is X'1018': the logon can be retried once the coupling facility becomes available.

If instance is 1 with sense X'0805', determine if TOR2 was started intentionally with a different APPLID and the same generic resource name and if not, correct the problem. If it was and you need a connection between these two systems you need to end the affinity between AOR and TOR1. The affinity can be ended by:

1. Bring up TOR1, acquire the connection and release it or
2. Bring up TOR1 and use the CEMT SET CONNECTION ENDAFFIN, CEMT PERFORM ENDAFFIN or EXEC CICS ENDAFFIN command.
3. Use a batch program described in 'Writing a batch program to end affinities' in the CICS intercommunication.

However, if the AOR is within the same sysplex as the TOR you should be using MRO connections rather than APPC - you then get no problems with affinities.

If the AOR is outside the sysplex and the connection is acquired from the TOR you need to use a HUB as described in 'Using a HUB' in the CICS
intercommunication to prevent two TORs from attempting to connect to one AOR using the generic resource name.

Alternatively you can change the AOR connection to address TOR2 by its real name as opposed to its generic resource name and always acquire the connection from the AOR. This implies that you must not use AUTOCONNECT in the TOR connection.

You should release the connection as soon as possible.

Module:
DFHZSYX

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSYX,
   2=DFHZSYX

**Destination**

CSNE

DFHZC2404 E  date time applid termid tranid
VTAM Detected Logic Error.
sense (instance) Module name:
{DFHZLEX | DFHZLEX | DFHZLEX | DFHZLEX | DFHZLEX | DFHZLEX | DFHZLEX | DFHZLEX | DFHZSIX | DFHZSYX | DFHZSYX | DFHZSYX | DFHZSIX | DFHZLEX)

**Explanation**

VTAM detected an error in a request. The request was either incomplete or not executable. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

CICS breaks communication with the node (CLSDST), abnormally terminates any attached task, places the node out of service and produces a transaction dump.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Ensure that all application programs running concurrently have proper addressability, thereby avoiding alteration of CICS control blocks such as the TCTTE or the RPL. If this message occurs during normal system execution, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

This message may also occur if VTAM is terminating. Under these conditions it is not a serious problem, and usually no response is necessary.

For more information about VTAM return codes, see the Feedback code data structure page of the z/OS 2.1.0 documentation.

Module:
DFHZLEX

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZLEX,
   2=DFHZLEX,
   3=DFHZLEX,
   4=DFHZLEX,
   5=DFHZLEX,
   6=DFHZLEX

**Destination**

CSNE

DFHZC2405 E  date time applid termid tranid
Node netname not activated.
sense (instance) Module name:
{DFHZSIM | DFHZSIM | DFHZSIM | DFHZSIX | DFHZSIX | DFHZSIX | DFHZSIX | DFHZSYX | DFHZSYX | DFHZSYX | DFHZSYX | DFHZSYX | DFHZSYX | DFHZSYX | DFHZSYX | DFHZSYX | DFHZSYX | DFHZSYX | DFHZSYX)

**Explanation**

The node was not activated, or was deactivated by the network operator, or a generic resource affinity
already exists with another system in the same generic resource.

Instance 6 - If the partner is a member of a generic resource (TOR2) and this system (AOR) is not and an affinity already exists between the AOR and another member of the same generic resource (TOR1) because TOR1 crashed, then VTAM has indicated that you cannot acquire this connection. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

All outstanding SEND and RECEIVE requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. A VTAM CLSDST macro is issued to halt communication with the node, and internal LOGONs are prevented.

If this message is issued during takeover, the acquire is retried at intervals of 1, 2, 4 and 8 minutes after the first attempt. This allows time for sessions which require manual intervention before the acquire can succeed.

**User response**

Use the VTAM VARY command to activate the node before using it in the network. Alternatively, for ISC with IMS, enable IMS for LOGONs.

It is possible that the node in question has previously been used as a generic APPLID (or in VTAM terms - a USERVAR). Use the VTAM operator command DISPLAY USERVAR to see if this is the case. If it is, you can use MODIFY USERVAR,OPTION=DELETE,ID=node to delete the USERVAR.

Instance 6 - Determine if TOR2 was started intentionally with a different APPLID and the same GR name and if not, correct the problem. If it was and you need a connection between these two systems then you need to end the affinity between the AOR and TOR1. The affinity can be ended by:

1. Bring up TOR1, acquire the connection and release it cleanly or
2. Bring up TOR1 and use ENDAFFIN via CEMT or EXEC CICS or
3. Use a batch program described in 'Writing a batch program to end affinities’ in the CICS intercommunication.

However, if the AOR is within the same sysplex as the TOR you should be using MRO connections rather than APPC - you then get no problems with affinities.

If the AOR is outside the sysplex and the connection is acquired from the TOR then you need to use a HUB as described in ‘Using a HUB’ in the CICS intercommunication to prevent two TORs from attempting to connect to one AOR using the generic resource name.

Alternatively you can change the AOR connection to address TOR2 by its real name as opposed to its generic resource name and always acquire the connection from the AOR. This implies that you must not use AUTOCONNECT in the TOR2 connection.

**Module:**

DFHZSYX, DFHZSIX, DFHZSIM

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. netname
7. sense
8. instance
9. Value chosen from the following options:

   1=DFHZSIM,
   2=DFHZSIM,
   3=DFHZSIM,
   4=DFHZSIM,
   5=DFHZSIM,
   6=DFHZSYX,
   7=DFHZSYX,
   8=DFHZSYX,
   9=DFHZSIX,
   10=DFHZSYX,
   11=DFHZSYX

**Destination**

CSNE

DFHZC2406 E date time applid termid tranid
Terminate self command received. sense (instance) Module name: (DFHZSYX))

**Explanation**

The logical unit (LU) has requested termination of the session. This imbed is inserted in DFHZC xxxx
messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The VTAM CLSDST macro is issued to stop communications with the node. If a task is attached, it is abnormally terminated with a transaction dump.

User response
None.

Module:
DFHZSYX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSYX
   2=DFHZSYX

Destination
CSNE

<table>
<thead>
<tr>
<th>DFHZC2408</th>
<th>date time applid termid tranid</th>
<th>Apparent VTAM Error.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFHZC2407</td>
<td>date time applid termid tranid</td>
<td>Permanent channel failure. sense ((instance) Module name: {DFHZSYX</td>
</tr>
</tbody>
</table>

Explanation
VTAM encountered an error during its own processing. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
If a task is attached, it is abnormally terminated with a transaction dump. The node is placed out of service. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Use the sense data to determine the nature of the error.

Module:
DFHZSYX
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSYX,
   2=DFHZSYX,
   3=DFHZSYX,
   4=DFHZSYX

Destination
CSNE

DFHZC2409 I  
VTAM Recovered Node. LOSTERM Error Code X’xx’. sense ((instance) Module name: {DFHZLTX / DFHZLTX})

Explanation
VTAM successfully reestablished communication with a node. The reason for entering the LOSTERM exit is given by xx, which has one of the following values:

<table>
<thead>
<tr>
<th>Value</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Dial-disconnect on dial-in.</td>
</tr>
<tr>
<td>4</td>
<td>Dial-disconnect on dial-out.</td>
</tr>
<tr>
<td>0C</td>
<td>Deactivate immediate.</td>
</tr>
<tr>
<td>14</td>
<td>Unconditional terminate self.</td>
</tr>
<tr>
<td>1C</td>
<td>Segmenting error.</td>
</tr>
<tr>
<td>20</td>
<td>Conditional terminate self.</td>
</tr>
<tr>
<td>24</td>
<td>BUFLIM value exceeded.</td>
</tr>
</tbody>
</table>

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. X’xx’
7. sense
8. instance
9. Value chosen from the following options:
   1=DFHZLTX,
   2=DFHZLTX

Destination
CSNE

DFHZC2410 E  
Node Unrecoverable. VTAM LOSTERM Error Code X’xx’. sense ((instance) Module name: {DFHZLTX / DFHZLTX / DFHZLTX / DFHZLTX})

Explanation
Communication with a node was interrupted and cannot be reestablished by VTAM. The reason for entering the LOSTERM exit is given by the error code X’xx’. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The VTAM CLSDST macro is issued to release any control blocks previously built for the node. If a
task is attached, it is abnormally terminated with a transaction dump.

**User response**

See the appropriate z/OS Communications Server: SNA Programming manual for an explanation of the error code.

**Module:**
DFHZLTX

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *termid*
5. *tranid*
6. *X’xx’*
7. *sense*
8. *instance*

9. Value chosen from the following options:
   
   1=DFHZLTX,
   2=DFHZLTX,
   3=DFHZLTX,
   4=DFHZLTX

**Explanation**

Node *nodeid* attempted to log on to CICS but the logon is invalid.

The *nodeid* in the message will always start with the 'netname' of the node attempting to connect to CICS. For some instances of the message resulting from an LU6.2 log on, the modename of the session will be concatenated to the 'netname' with a dot separator. Since a string consisting of eight blanks is the default modename, this can lead to idiosyncratic formatting of the message.

If the message is issued by DFHZATA, CICS has failed in its attempt to autoinstall the terminal or connection.

The instance *instance* is one of the following:

1. For LU6.1 no suitable TCTTE can be found, or no session TCTTE exists. This could occur for one of the following reasons:
   
   1. The bind did not contain a modename.
   2. There is an RDO definition for a member name connection in a generic resource communicating with another generic resource over an LU6.1 link.

2. No PLUNAME has been found in the LU6.2 bind processed by CICS.

3. An attempt to autoinstall a member name connection in a generic resource system has failed because the bind was not for a SNA service manager.

4. Autoinstall is not allowed because the system is terminating.

5. Autoinstall is not allowed because the VTAM ACB is closing.

6. ISC support is not present because ISC=NO specified in the SIT.

7. Used by DFHZATA for several reasons, for example BIND bad and user exit bad.

8. The TCTTE address restored and the address found by NIBSEARCH do not agree.
The system is terminating.

VTAM is terminating.

RESERVED.

RESERVED.

No address is present in the RPL.

LU6.1 cannot autoinstall.
If both CICS systems are registered as different generic resources, the LU61 connections must be defined with each other's generic resource netnames; they cannot communicate by member name. In this case CICS looked for the generic resource netname and was unable to find it.

ISC support is not present.

A CINIT arrived for an APPC parallel session. This is not supported. All input for an APPC parallel session should be via a BIND. Also, no connection exists with this NETNAME.

Session is not bound.

Not used.

LU is not enabled. Typically it is an XRF alternate CICS.

A second CINIT with the same netname has arrived.

Logon rejected due to CATA abend.

A CINIT initiated by SIMLOGON occurred for an APPC paralleled session. A matching connection exists, but it is being deleted. This should not occur because either the delete should have been cancelled (if it had been scheduled but not started) or the SIMLOGON should have been queued until the delete was attempted and fails because there is SIMLOGON activity.

A BIND was received for an LU6.1 connection. This CICS is registered as a generic resource but the partner addressed CICS by its MEMBER name instead of its generic resource name.
Change the partner's connection definition for this system to use a NETNAME of this system's generic resource name.

Not used.

A CINIT was received for an LU6.1 connection. This CICS is registered as a generic resource but the partner addressed CICS by its MEMBER name instead of its generic resource name.
Change the partner's connection definition for this system to use a NETNAME of this system's generic resource name.

A BIND was received for an LU6.1 connection. This CICS is registered as the same generic resource as the partner. However, the partner addressed CICS by the generic resource name instead of the member name which it should use for intra-plex communication.
Change the partner's connection definition for this system to use a NETNAME of this system's member name.

A CINIT was received for an LU6.1 connection. This CICS is registered as the same generic resource as the partner. However, the partner addressed CICS by the generic resource name rather than the member name which it should use for intra-plex communication.
Change the partner's connection definition for this system to use a NETNAME of this system's member name.

An LU62 bind was received for the netname specified. CICS has found a connection with the relevant netname but the connection was not defined as APPC.

A system entry for the connection indicated by the bind has been found but none of its sessions are usable.
No modename field UDSS02 was found in the bind.

Examination of the session tctte has indicated it to be out of service, a non-SNA service manager session and to have the associated connection released.

An attempt to autoinstall a GR name or XRF connection has failed because the bind was not for a SNA service manager.

This bind is a SNA service manager request for an existing partner.

There is a problem with the user data supplied in the bind. Specifically one of the following.

- There is no user data.
- The user data supplied is too short.
- The user data is not architected.

A delete is pending for the connection found. This delete is for a non-transient terminal definition and has been requested explicitly.

For a non-generic resource request, examination of the bind has indicated that it is not for a SNA service manager.

This instance also indicates that you should not acquire this connection if the partner is a member of a generic resource, and this system is not, and an affinity already exists between this system and another member of the same generic resource. See message DFHZC2403, which is issued for the partner’s equivalent sessions, for how you correct the situation.

The current session count has exceeded the maximum session count indicated in the mode group entry.

This can be caused by a VTAM LU definition with a duplicate netname. At session initiation time VTAM cannot detect that there may be two Independant Logical Units (ILUs) with the same netname. This can lead to CICS being requested to bind more sessions than specified in the mode group.

An attempt to acquire a generic resource connection failed because there is a member name connection defined for the generic resource member to which VTAM has chosen to route it.

This CICS has deregistered from a generic resource but a remote partner is attempting to bind an APPC session using a generic resource name. This indicates that VTAM affinities have not been ended on both sides.

This CICS has deregistered from a generic resource but a remote partner is attempting to bind an LU6.1 session using a generic resource name. This indicates that VTAM affinities have not been ended on both sides.

A bind has been received for an APPC SNA Service Manager session while the connection is in the process of being released. As the maximum number of SNASVCMG sessions has already been set to zero, acceptance of this bind would leave the connection in a Freeing state and is therefore rejected. Retry the Acquire of the connection when all the user sessions have been CLSDST and the connection is released.

This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

If ???????? is displayed in the second half of the nodeid field, the BIND may contain a SESSION QUALIFIER or MODENAME with an invalid length.

System action

The logon is rejected. If the reject is from DFHZSCX via the dummy TCTTE, an attempt is made to print the failing BIND and sense code with which it was rejected as part of the message.

User response

Use the instance number to determine why the attempted logon has been rejected and take the appropriate action.

Module:
DFHZLGX, DFHZSCX, DFHZATA, DFHZBLX

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. nodeid
7. sense
8. instance
9. Value chosen from the following options:
   1=DFHZSCX,
   2=DFHZBLX,
   3=DFHZBLX,
   4=DFHZBLX,
   5=DFHZBLX,
   6=DFHZBLX,
   7=DFHZATA,
   8=DFHZLGX,
   9=DFHZLGX,
   10=DFHZLGX,
   11=DFHZSCX,
   12=,  
   13=DFHZLGX,
   14=DFHZLGX,
   15=DFHZLGX,
   16=DFHZLGX,
   17=DFHZLGX,
   18=DFHZLGX,
   19=DFHZLGX,
   20=DFHZLGX,
   21=DFHTFP,
   22=DFHZLGX,
   23=DFHZSCX,
   24=DFHZLGX,
   25=DFHZLGX,
   26=DFHZSCX,
   27=DFHZLGX,
   28=DFHZBLX,
   29=DFHZBLX,
   30=DFHZBLX,
   31=DFHZBLX,
   32=DFHZBLX,
   33=DFHZBLX,
   34=DFHZBLX,
   35=DFHZBLX,
   36=DFHZBLX,
   37=DFHZBLX,
   38=DFHZLGX,
   39=DFHZBLX,
   40=DFHZSCX,
   41=DFHZBLX

**Destination**

**CSNE**

**DFHZC2412 E**

date time applid termid tranid
Receive any request failed.
sense ((instance) Module name: {DFHZRAC | DFHRAC})

**Explanation**

A receive-any request to VTAM failed. VTAM was terminated. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

The VTAM RPL control block is logged to the CSMT log for visual inspection.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Determine the reason why the receive-any failed. First, check to see if the VTAM RPL has been altered. If it has been altered, check to see if the alterations could have caused any problems. Correct any obvious errors. It may be useful to refer to the z/OS Communications Server: SNA Programming manual, (SC23-0115), during problem determination.

**Module:** DFHZRAC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRAC,
   2=DFHZRAC

**Destination**

CSNE

**DFHZC2413 E**

*date time applid termid tranid nodeid CLSDST failed.*

*sense ((instance) Module name: {DFHZATA | DFHZLGX | DFHTFP})*

**Explanation**

A CLSDST request for the node identified by nodeid failed. VTAM may not have sufficient space to respond to the request. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

No further communication with the node is initiated.

**User response**

Inspect the CSNE, CSMT and CSTL logs for indication of a VTAM storage problem or error message. Also check for any messages indicating an I/O problem.

**Module:**

DFHTFP, DFHZATA, DFHZLGX

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. nodeid
7. sense
8. instance
9. Value chosen from the following options:
   1=DFHZATA,
   2=DFHZLGX,
   3=DFHTFP

**Destination**

CSNE

**DFHZC2414 E**

*date time applid termid tranid*

*Temporary VTAM Storage Problem.*

*sense ((instance) Module name: {DFHZSYX})*

**Explanation**

Temporary VTAM storage problem. VTAM is currently short of storage. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

The failing VTAM request is retried until VTAM is able to accept it.

**User response**

Increase the VTAM working buffer storage if this condition recurs and causes undue problems.

**Module:**

DFHZSYX

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSYX

**Destination**

CSNE

**DFHZC2415 E**

*date time applid termid tranid*

*Node netname out of service.*

*sense ((instance) Module name: {DFHZNAC})*

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Explanations

A node error condition has occurred on node nodeid. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action

CICS places the node out of service.

User response

Use the sense data to determine the nature of the error.

Module: DFHZNAC

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. netname
7. sense
8. instance
9. Value chosen from the following options:
   1 = DFHZNAC

Destination

CSNE

DFHZC2416 E date time applid termid VTAM is halting. sense ((instance)) Module name: {DFHZNAC | DFHZNAC}

Explanation

A VTAM HALT command was entered by the network operator while a SIMLOGON or OPNDST request was in progress. The instance number indicates what type of halt was requested:

1. Orderly shutdown
2. Quick shutdown.

System action

The VTAM network is quiesced to prevent further requests and the node is placed out of service.

User response

None.

Module: DFHZSYX

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1 = DFHZSYX,
   2 = DFHZSYX

Destination

CSNE

DFHZC2417 E date time applid termid VTAM Inactive to TCB. sense ((instance)) Module name: {DFHZSYX | DFHZSYX}

Explanation

Either CICS has not opened its VTAM ACB or VTAM has halted. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.
System action
The VTAM network is quiesced to prevent further requests and a dump is produced.

User response
If VTAM was not halted by the network operator, use the supplied dump to determine the problem.

Module:
DFHZSYX, DFHZCLS, DFHZCLX, DFHZOPN, DFHZOPX, DFHZRAC, DFHZRLP, DFHZRST, DFHZRVL, DFHZRVS, DFHZRX, DFHZSDL, DFHZSDR, DFHZSDS, DFHZSES, DFHZSIM, DFHZSIX, DFHZSKR, DFHZSLX, DFHZTAX, DFHZSDA

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZOPX,
   2=DFHZCLLS,
   3=DFHZOPN,
   4=DFHZRLP,
   5=DFHZRST,
   6=DFHZRVS,
   7=DFHZRX,
   8=DFHZSDA,
   9=DFHZSDL,
   10=DFHZSDS,
   11=DFHZSES,
   12=DFHZSIM,
   13=DFHZSKR,
   14=DFHZSLX,
   15=DFHZRAC,
   16=DFHZRVL,
   17=DFHZSDR,
   18=DFHZSDS,
   19=DFHZSIX,
   20=DFHZTAX,
   21=DFHZOPX,
   22=DFHZSYX

Destination
CSNE

DFHZC2418 E date time applid termid tranid Unknown command in RPL sense ((instance) Module name: (DFHZSEX | DFHZSEX))

Explanation
An unknown command was detected in the VTAM request parameter list (RPL) by the CICS SESSIONC exit routine. The RPL address could be invalid or the RPL could have been altered. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116, which contains the symptom string for this problem, is produced.

A CLSDST is issued to halt communication with the node, and the node is placed out of service.

User response
First, check if the VTAM RPL has an invalid address. If the address is valid, check to see if the RPL has been altered. If it has been altered, check to see if the alterations could have caused any problems. Correct any obvious errors. It may be useful to refer to the z/OS Communications Server: SNA Programming manual, (SC23-0115), while carrying out problem determination.

Module:
DFHZSEX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSEX,
   2=DFHZSEX

Destination
CSNE
DFHZC2419 E  date time applid termid tranid
Unknown command in RPL.
sense ((instance) Module name: {DFHZSSX | DFHZSLX | DFHZRAC | DFHZRAC | DFHZRAC | DFHZRAC | DFHZRAC | DFHZRAC})

Explanation
An unknown command was detected in the request parameter list (RPL) by the send-data-flow synchronous exit routine. The RPL address could be invalid or the RPL could have been altered. This imbed is inserted in DFHZC xxxx messages with sense inserts.
For the meaning of sense , see message DFHZC2400.

System action
All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.
Message DFHME0116, which contains the symptom string for this problem, is produced.
A VTAM CLSDST macro is issued to halt communication with the node, and the node is placed out of service.

User response
In the first instance, check if the VTAM RPL has an invalid address. If the address is valid, check to see if the RPL has been altered. If it has been altered, check to see if the alterations could have caused any problems. Correct any obvious errors. It may be useful to refer to the z/OS Communications Server: SNA Programming manual, (SC23-0115-3), while carrying out problem determination.
Module:
DFHZSSX, DFHZSLX, DFHZRAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSSX,
   2=DFHZSLX,
   3=DFHZRAC,
   4=DFHZRAC,
   5=DFHZRAC,
   6=DFHZRAC,
   7=DFHZRAC,
   8=DFHZRAC

Destination
CSNE
DFHZC2420 E  date time applid termid tranid
Unknown command in RPL.
sense ((instance) Module name: {DFHZSSX})

Explanation
An unknown command was detected in the request parameter list (RPL) by the send-data-flow asynchronous exit routine. The RPL address could be invalid or the RPL could have been altered. This imbed is inserted in DFHZC xxxx messages with sense inserts.
For the meaning of sense , see message DFHZC2400.

System action
All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.
Message DFHME0116, which contains the symptom string for this problem, is produced.
A VTAM CLSDST macro is issued to halt communication with the node, and the node is placed out of service.

User response
In the first instance, check if the VTAM RPL has an invalid address. If the address is valid, check to see if the RPL has been altered. If it has been altered, check to see if the alterations could have caused any problems. Correct any obvious errors. It may be useful to refer to the z/OS Communications Server: SNA Programming manual, (SC23-0115-3), while carrying out problem determination.
Programming manual, (SC23-0115), while carrying out problem determination.

Module:
DFHZSAX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSAX

Destination
CSNE

DFHZC2421 E  date time applid termid tranid Unsupported command received.
sense ((instance) Module name:
{DFHZRLP | DFHZRLP | DFHZRVX | DFHZRVX | DFHZRAC | DFHZRAC | DFHZRAC | DFHZRAC | DFHZRAC | DFHZRAC}

Explanation
An unknown command or request was detected, or the RPL contains logical unit (LU) status. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
If an invalid command or request was detected, all outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. A VTAM CLSDST macro is issued to halt communication with the node.

For ISC sessions, this error may be caused by specifying incompatible session types at each node. (For example, SESSIONTYPE=SEND in one node and SESSIONTYPE=FASTRECV in the other node.)

If the RPL contains logical unit (LU) status, one of the following messages is issued:
DFHZC2461, DFHZC2462, DFHZC2464, DFHZC2465, or DFHZC2466.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
An invalid command or request indicates inconsistencies or errors in the definitions of the named terminals/sessions in CICS, VTAM or the connected system for LU6 sessions. Ensure that these definitions are consistent and correct for the device or session characteristics.

Module:
DFHZRAC, DFHZRVX, DFHZRLP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRLP,
   2=DFHZRLP,
   3=DFHZRVX,
   4=DFHZRVX,
   5=DFHZRAC,
   6=DFHZRAC,
   7=DFHZRAC,
   8=DFHZRAC,
   9=DFHZRAC

Destination
CSNE

DFHZC2422 E  date time applid termid tranid ZCP Logic Error. sense ((instance) Module name:
{DFHZDET | DFHZSIM | DFHZSIM | DFHZERH | DFHZERH | DFHZERH | DFHZERH | DFHZERH | DFHZERH | DFHZERH | DFHZERH | DFHZERH | DFHZERH | DFHZERH | DFHZERH | DFHZERH | DFHZERH | DFHZERH | DFHZERH | DFHZSDS | DFHZEV1 | DFHZEV1 | DFHZOPN | DFHZOPN | DFHZRSV | DFHZRSV | DFHZSBR | DFHZSBR | DFHZSLX | DFHZSLX | DFHZRAC | DFHZRAC | DFHZRAC | DFHZRAC | DFHZRAC | DFHZRAC |
**Explanation**

During terminal processing, CICS detected an invalid internal state in DFHZCP.

Instance 1 of the message could be caused by a loss of data following a persistent sessions restart in a partner system. In this case, no logic error has occurred because any updates are backed out. This normally follows an AZCD for the same session and the message DFHZC0144 for the partner session. This imbed is inserted in DFHZC xxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

All outstanding send and receive requests are purged, and the task is abnormally terminated with a transaction dump. The node is placed out of service and the TCTTE, RPL, and action flags are logged to the CSMT destination for debugging purposes.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Ensure that the application programs running concurrently do not alter the TCTTE. If the TCTTE is not being altered, use the dump to locate the source of the error.

It may be useful to examine the debugging data printed on the CSMT log for clues about what possibly went wrong.

**Module:**

DFHZARL, DFHZDET, DFHZERH, DFHZEV1, DFHZEV2, DFHZOPN, DFHZRAC, DFHZRVS, DFHZSDS, DFHZSIM, DFHZSKR, DFHZSLX, DFHZNAC, DFHZSSX

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
Destination
CSNE
DFHZC2423 E date time applid termid tranid
Attempted to send unsupported command. sense ((instance)
Module name: {DFHZSDS})

Explanation
A request to send data synchronously was incomplete. Possible reasons are as follows:
1. The TCTTE was altered.
2. A logic error was encountered.
3. The TCTTE was inadvertently placed on the sendsynchronous queue.

This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense , see message DFHZC2400.

System action
All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing the VTAM CLSDST macro instruction.

User response
For reasons 1 to 3 listed above, ensure that application programs running concurrently do not alter the TCTTE. If you suspect a logic error (2), check that the VTAM RPL has not been corrupted. If you still cannot resolve the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHZSDS

XMEOUT parameters/Message inserts
1. date

Destination
CSNE
DFHZC2424 E date time applid termid tranid
SESSIONC command request invalid. sense ((instance) Module name: {DFHZSES / DFHZSES / })

Explanation
A SESSIONC request is incomplete or invalid. Possible reasons are as follows:
1. The TCTTE was altered.
2. The command request bits are incomplete. DFHZSES checks TCTEISDT for a Start Data Traffic (SDT) command, TCTEISTS for a Set and Test Sequence Number (STSN) command, and TCTEICLR for a CLEAR command. If it does not find any of these, DFHZSES causes the message to be issued.
3. The wrong request was queued to SESSIONC.

This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense , see message DFHZC2400.

System action
All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Message DFHME0116, which contains the symptom string for this problem, is produced.
Communication with the node is terminated by issuing the VTAM CLSDST macro instruction.

User response
Ensure that application programs running concurrently do not alter the TCTTE.
If the TCTTE is not altered, check for conditions 2 or 3.
Module:
DFHZSES

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSES,
   2=DFHZSES,
   3=

Destination

CSNE

DFHZC2425 E  date time applid termid tranid
ASYNC command request invalid.
sense ((instance) Module name: 
{DFHZSDA | DFHZSDA})

Explanation

A request to send data asynchronously was incomplete or invalid. This condition can be caused by the TCTTE being altered. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action

All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116, which contains the symptom string for this problem, is produced.

Communication with the node is terminated by issuing the VTAM CLSDST macro instruction.

User response

Check the TCTTE. Ensure that application programs running concurrently do not alter the TCTTE.

Module:
DFHZSDA

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSDA,
   2=DFHZSDA

Destination

CSNE

DFHZC2426 E  date time applid termid tranid
Node Status Error. Node is out of service or receive only.
sense ((instance) Module name: 
{DFHZATT | DFHZATT | DFHZATT})

Explanation

Input was received from a node that is identified as either output-only or permanently out of service. CEMT INQUIRE TERMINAL(termid) returns a TTISTATUS of NOTTI for an output-only node.

If any sense data appears in the message, see message DFHZC2400 for its meaning.

System action

For an output-only node, message DFH2426I is sent to the node. All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User response

If the node is out of service, issue CEMT SET TERMINAL(termid) INSERVICE from another terminal to place the node back into service.

If the terminal is output-only, issue CEMT SET TERMINAL(termid) TTI from another terminal to allow transactions to be initiated from the node and check that TTI(YES) is specified in the TYPETERM definition used to install the TERMINAL.

Module:
DFHZATT
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZATT
   2=DFHZATT
   3=DFHZATT

Destination

CSNE

DFHZC2427 I date time applid termid tranid
NCP Restarted. sense ((instance) Module name: {DFHZSYX})

Explanation

Network Control Program/Virtual Storage (NCP/VS) has been restarted after failing during an OPNDST. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action

The OPNDST request is reissued.

User response

None.

Module:

DFHZSYX

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSDS

Destination

CSNE

DFHZC2428 E date time applid termid tranid
Send DFSYN request incomplete. sense ((instance) Module name: {DFHZSDS})

Explanation

A send-synchronous request was issued without indicating that either a command or data was to be sent. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action

All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

Check the VTAM RPL for obvious errors. Ensure that application programs running concurrently do not alter the TCTTE. If the TCTTE is not being altered, use the symptom string, and if necessary, the dump to determine the source of the error.

Module:

DFHZSDS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSDS

Destination

CSNE
RESETSR request invalid RTYPE.

Explanation
An invalid RESETSR request was made in the VTAM macro issued by CICS. The invalid request can be because an RTYPE was not specified or was incorrectly specified, or the TCTTE was altered. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User response
Check the VTAM RPL for obvious errors. Ensure that application programs running concurrently do not alter the TCTTE. If the TCTTE is not being altered, use the dump to determine the source of the error.

Module: DFHZRST

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRST,
   2=DFHZRST,
   3=DFHZRST

Destination
CSNE

Send response command request

Explanation
A send-response request was invalid. Either the request did not specify the response level (DR1 or DR2), or the TCTTE was altered. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
All outstanding send requests are purged. If a task is attached, it is abnormally terminated with a transaction dump and the node is placed out of service.

User response
Check the VTAM RPL for obvious errors. Ensure that application programs running concurrently do not alter the TCTTE. If the TCTTE is not being altered, use the dump to determine the source of the error.

Module: DFHZSDR

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:

   1=DFHZSDR

Destination
CSNE
System action
If the CICS ACB is open, all outstanding requests are purged and the task is abnormally terminated with a transaction dump if a task is attached.

User response
If the CICS ACB is open, use the dump to determine the source of the error. Check that the TCTTE is valid.

Module:
DFHZSYX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSYX

Destination
CSNE

DFHZC2432 E  date time applid termid tranid
Exception response received.
sense ((instance) Module name:
{DFHZRVX | DFHZRVX | DFHZRVX | DFHZRVX |
DFHZRVX | DFHZRVX | DFHZRVX | DFHZRVX |
DFHZRX | DFHZRX | DFHZRX | DFHZRX |
DFHZRX | DFHZRX | DFHZRX | DFHZRX |
DFHZRX | DFHZRX | DFHZRX | DFHZRX |
DFHZRX | DFHZRX | DFHZRX | DFHZRX |}

Explanation
CICS has received an exception response. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense , see message DFHZC2400.

System action
Another CICS message is issued in conjunction with this message.

User response
Perform the action specified for the associated CICS message.

Module:
DFHZRAC, DFHZRVX, DFHZSSX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRVX,
   2=DFHZRVX,
   3=DFHZRVX,
   4=DFHZRVX,
   5=DFHZRVX,
   6=DFHZRVX,
   7=DFHZRVX,
   8=DFHZSSX,
   9=DFHZSSX,
   10=DFHZSSX,
   11=DFHZSSX,
   12=DFHZRAC,
   13=DFHZRAC,
   14=DFHZRAC,
   15=DFHZRAC,
   16=DFHZRAC,
   17=DFHZRAC,
   18=DFHZRAC,
   19=DFHZRAC,
   20=DFHZRAC,
   21=DFHZRAC,
   22=DFHZRAC,
   23=DFHZRAC

2388  CICS TS for z/OS: CICS Messages
Logon has failed because autoinstall is disabled. Possible reasons are:

- Autoinstall system initialization parameters have been incorrectly defined.
- An error has been detected in CICS terminal attach processing.
- The system is short on storage. Autoinstall is reenabled once the SOS condition ends.

The logon is rejected.

Ensure that the value for the AIQMAX system initialization parameter is greater than zero. If an autoinstall user program has been specified for system initialization parameter AIEXIT, check that the program name has been defined to CICS. See Configuring for further information about autoinstall parameters.

If the system is short on storage, see the associated messages for further guidance.

Module: DFHZLGX, DFHZSCX, DFHZBLX

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. nodeid
7. sense
8. instance
9. Value chosen from the following options:
   1=DFHZLGX,
   2=DFHZLGX,
   3=DFHZBLX,
   4=DFHZBLX
Explanation
CICS issued a receive-specific request VTAM without specifying a request parameter list (RPL). This condition could result from one of the following reasons:
- An RPL was not allocated
- An RPL was allocated, but later freed
- TCTERPLA was altered.
This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. A CLSDST macro is issued to terminate communication with the node.

User response
Use the dump to determine whether the TCTTE was altered by an application program.

Module:
DFHZRVS, DFHZRVX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRVS,
   2=DFHZRVX,
   3=DFHZRVS

Destination
CSNE

Explanation
The TIOA was missing while a receive-specific request was being processed. This condition could result from the TIOA being freed or TCTTEDA being altered. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User response
Use the dump to determine if the TCTTE was altered by an application program.

Module:
DFHZRVS, DFHZRVX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRVS,
   2=DFHZRVX,
   3=DFHZRVS

Destination
CSNE
issued a send request. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**
All outstanding send requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The terminal status remains unchanged.

**User response**
Prevent the task from issuing an output request to the node.

**Module:**
DFHZSDS

**XMEOUT parameters/Message inserts**
1. date  
2. time  
3. applid  
4. termid  
5. tranid  
6. sense  
7. instance  
8. Value chosen from the following options:  
   1=DFHZRVS,  
   2=DFHZSDS

**Destination**
CSNE

**Explanation**
An invalid resume request was received. The CICS activate-scan function detected a resume request in a TCTTE, but the TCTTE was not part of any transaction. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**
All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The terminal status remains unchanged.

**User response**
Prevent the task from issuing input requests to the node.

**Module:**
DFHZRVS, DFHZSDS

**XMEOUT parameters/Message inserts**
1. date  
2. time  
3. applid  
4. termid  
5. tranid  
6. sense  
7. instance  
8. Value chosen from the following options:  
   1=DFHZRVS,  
   2=DFHZSDS

**Destination**
CSNE

**Explanation**
An input request was issued to a VTAM terminal that is identified as an output-only device. Either the TCTTETS was altered or a task was attached that issued a read request. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**
All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The terminal status remains unchanged.

**User response**
Use the symptom string to determine the cause of the problem. Check the TCTTE data printed and logged.
to the CSNE destination for obvious alterations and errors.

Module:
DFHZACT

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZACT

Destination
CSNE

DFHZC2440 I  date time applid termid tranid CICS quiesced by node. sense ((instance) Module name: {DFHZASX})

Explanation
A VTAM logical unit has requested CICS to quiesce all I/O activity with that node. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
Data transmission to the node is halted until CICS receives a release-quiesce indicator.

User response
None.

Module:
DFHZASX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense

Destination
CSNE

DFHZC2441 I  date time applid termid tranid CICS released by node. sense ((instance) Module name: {DFHZASX})

Explanation
CICS received a release-quiesce indicator from a VTAM logical unit that had previously quiesced CICS. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
Data transmission to the node is resumed by CICS.

User response
None.

Module:
DFHZASX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZASX

Destination
CSNE

DFHZC2442 E  date time applid termid tranid Exception response received to a definite response send. sense ((instance) Module name: {DFHZRVX | DFHZRVX})
Explanation
An exception response was received when a definite response protocol was requested. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
CICS issues a second message in conjunction with this message that explains the reason for the exception response.

User response
Perform the action specified for the second CICS message received.

Module:
DFHZRVX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRVS,
   2=DFHZSDL,
   3=DFHZSDS,
   4=DFHZSDS,
   5=DFHZSDS,
   6=DFHZRVL,
   8=DFHZRHU

Destination
CSNE

DFHZC2443 E date time applid termid tranid
Request outstanding when node released. sense ((instance) Module name: {DFHZRVS | DFHZSDL | DFHZSDS | DFHZSDS | DFHZSDS | DFHZSDS | DFHZSHU | DFHZSHU | DFHZRVL | DFHZSHU})

Explanations
CICS received a request from an application program, when its node was either not in session or queued to be CLSDSTed. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
All outstanding requests are ignored. If a task is attached, it is abnormally terminated with a transaction dump.

User response
None.

Module:
DFHZSDS, DFHZRVL, DFHZRVS, DFHZSDL, DFHZSHE

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRVS,
   2=DFHZSDL,
   3=DFHZSDS,
   4=DFHZSDS,
   5=DFHZSDS,
   6=DFHZRVL,
   8=DFHZRHU

Destination
CSNE

DFHZC2444 E date time applid termid tranid
CICS bracket state error. sense ((instance) Module name: {DFHZRVS | DFHZSDL})

Explanation
A CICS application program violated bracket protocol. It is possible that the application program issued an I/O request following a write (last) request. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.
System action

All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User response

Correct the application program.

Module:
DFHZRVS, DFHZSDS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRVS,
   2=DFHZSDS

Destination

CSNE

DFHZC2445 E  date  time  applid  termid  tranid  Output area exceeded.
              sense ((instance) Module name:  {DFHZRVS | DFHZSSX | DFHZRAC})

Explanation

An invalid response was received for a bid request. A normal response was received in response to a bid indicator while the transaction was in bracket state. The controller application program is in error. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense , see message DFHZC2400.

System action

All outstanding requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro instruction, and the node is placed out of service.

User response

Correct the controller application program to return an exception response to a bid indicator when in the bracket state, followed by a ready-to-receive indicator when ready to honor the bid.

Module:
DFHZRAC, DFHZRVX, DFHZSSX

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRVX,
   2=DFHZSSX,
   3=DFHZRAC

**Destination**

CSNE

DFHZC2447 E  

*A severe error has occurred as a result of a previous failure.*

**sense** ((instance) Module name: 

{DFHZOPN | DFHZRVS | DFHZSDA | DFHZRAC | DFHZRAC | DFHZOPN | DFHZOPN | DFHZFRE | DFHZRLP | DFHZACT | DFHZGET | DFHZGET | DFHZOPN})

**Explanation**

A domain call failed and the response could not be handled by module *modname* because of a previous failure. The domain concerned should have issued a message to the console which gives further information about the failure. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense , see message DFHZC2400.

**System action**

All outstanding send and receive requests for terminal *termid* are purged. If a task is attached, it is abnormally terminated with a transaction dump. Terminal *termid* is placed out of service and the TCTTE is logged to the CSNE destination.

**User response**

Refer to the message issued by the domain that is in error. It indicates the source of the original error.

**Module:**

DFHZRAC, DFHZRVS, DFHZSDA, DFHZOPN, DFHZFRE, DFHZRLP, DFHZACT, DFHZGET

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*

---

3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZOPN,
   2=DFHZRVS,
   3=DFHZSDA,
   4=DFHZRAC,
   5=DFHZRAC,
   6=DFHZOPN,
   7=DFHZOPN,
   8=DFHZFRE,
   9=DFHZRLP,
   10=DFHZACT,
   11=DFHZGET,
   12=DFHZGET,
   13=DFHZOPN

**Destination**

CSNE

DFHZC2448 E  

*Invalid response requested.*

**sense** ((instance) Module name: 

{DFHZRVX | DFHZRAC | DFHZRAC})

**Explanation**

An invalid response was requested. An application program transmitted data to CICS without requesting a response from CICS. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense , see message DFHZC2400.

**System action**

All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service.

**User response**

Correct the application program.

**Module:**
DFHZRAC, DFHZRVX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRVX,
   2=DFHZRVX,
   3=DFHZRAC,
   4=DFHZRAC

Destination
CSNE

DFHZC2449 E  
Bracket Error. sense ((Instance) Module name: (DFHZRVX | DFHZRVX | DFHZRAC | DFHZRAC))

Explanation
The application program either sent a begin-bracket indicator while the transaction was in bracket state, or sent an end-bracket indicator. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing the VTAM CLSDST macro, and the node is placed out of service.

User response
Correct the application program.

Module:
DFHZRAC, DFHZRVX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRVX,
   2=DFHZRVX,
   3=DFHZRAC,
   4=DFHZRAC

Destination
CSNE

DFHZC2450 E  
Bid issued but ATI cancelled. sense ((Instance) Module name: (DFHZRVX | DFHZRVX | DFHZRAC | DFHZRAC))

Explanation
An automatic task initiation (ATI) request was issued without an ATI pending for that terminal. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
CICS will satisfy the BB pending condition by sending a standalone BB-EB.

User response
If ATI is time-initiated, increase the timer value.

Module:
DFHZRAC, DFHZRVX, DFHZSSX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRVX,
   2=DFHZRVX,
3=DFHZRVX,
4=DFHZSSX,
5=DFHZSSX,
6=DFHZSSX,
7=DFHZRAC,
8=DFHZRAC,
9=DFHZRAC

Destination
CSNE
DFHZC2451E  date time applid termid tranid
Outstanding request when clear was issued. sense ((instance) Module name: (DFHZSYX))

Explanation
A request was outstanding when clear was issued. A receive-specific request was pending when a clear indicator was issued. A clear indicator is sent when any of the following occurs:

• The logical unit is lost (LOSTERM).
• CICS issues a VTAM CLSDST macro.
• CICS issues the clear during message resynchronization.

This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
All outstanding requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User response
None.
Module:
DFHZSYX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense

7. instance
8. Value chosen from the following options:
   1=DFHZSYX

Destination
CSNE

DFHZC2452E  date time applid termid tranid
Invalid command received. sense ((instance) Module name: (DFHZSCX))

Explanation
CICS received an invalid command (VTAM indicator). The CICS session-control input exit-routine (SCIP) encountered an indicator other than request-recovery. This routine should be scheduled only when a request-recovery indicator is received from the controller application program. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
If a task is attached, it is abnormally terminated with a transaction dump. The session is terminated and the node is placed out of service.

User response
Check the VTAM RPL for obvious errors. Use the dump to help determine the source of the problem.

Module:
DFHZSCX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSCX

Destination
CSNE
**Explanation**

A request for recovery was received. The secondary logical unit requested message resynchronization by sending a request-recovery indicator, but a message sequence number is inconsistent with the sequence number maintained by the 3601 application program. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

Use the symptom string, and if necessary the transaction dump, to determine the source of the error.

**Module:** DFHZSYX

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **termid**
5. **tranid**
6. **sense**
7. **instance**
8. Value chosen from the following options:

   1 = DFHZSYX

**Destination**

CSNE

---

**Explanation**

An attempt to attach a task to a logical unit (LU) was made, despite the task being in continue-any (CA) mode. However, terminal **termid** already had a task attached to it. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

The task that is already attached to terminal **termid** is abnormally terminated with a transaction dump.
Message DFHME0116, which contains the symptom string for this problem, is produced. Communication with the node is terminated by issuing the VTAM CLSDST macro. CICS then reestablishes communication with the node by issuing the SIMLOGON macro.

**User response**

Use the symptom string, and if necessary the dump, to determine the source of the error. Try to determine why there was an attempt to attach a task to terminal termid while it already had a task attached to it.

**Module:**

DFHZATT

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   - 1=DFHZATT

**Destination**

CSNE

**DFHZC2456 E**

`date time applid termid tranid`

Exception response received to a command. sense ((instance)) Module name: (DFHZSYX | DFHZSYX | DFHZSYX | DFHZRAC)

**Explanation**

CICS received an exception response to a command (VTAM indicator) that it sent to a logical unit. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

In conjunction with this message, CICS issues a second message that explains the reason for the exception response.

**User response**

Perform the action specified in the second CICS message received.

**Module:**

DFHZSYX, DFHZSSX

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   - 1=DFHZSYX,
   - 2=DFHZSYX,
   - 3=DFHZSYX,
   - 4=DFHZRAC

**Destination**

CSNE

**DFHZC2457 E**

`date time applid termid tranid`

Multiple Errors Encountered. sense ((instance)) Module name: (DFHZEMW | DFHZSYX | DFHZSYX | DFHZRAC | DFHZRAC)

**Explanation**

A node encountered consecutive errors. That is, the node abnormal condition program, NACP, encountered a second error while processing the first error. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro. The first error is accompanied by an error message.

**User response**

Use the dump to determine the source of the errors. Refer to the error message produced by the first...
problem and to any VTAM messages that may have been issued.

**Module:**
DFHZRAC, DFHZSYX, DFHZEMW

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *termid*
5. *tranid*
6. *sense*
7. *instance*
8. Value chosen from the following options:
   1. DFHZEMW,
   2. DFHZSYX,
   3. DFHZSYX,
   4. DFHZRAC,
   5. DFHZRAC

**Destination**
CSNE

**DFHZC2458 E  date time applid termid tranid**
Exception response received to an exception response send.

**sense ((instance) Module name: {DFHZRVX | DFHZRAC | DFHZEMW | DFHZZDS})**

**Explanation**
CICS received an exception response to a send for which an exception response was requested. This imbed is inserted in DFHZC xxxx messages with *sense* inserts. For the meaning of *sense*, see message DFHZC2400.

**System action**
In conjunction with this message, CICS issues a second message that explains the reason for the exception response.

**User response**
Perform the action specified in the second CICS message received.

**Module:**
DFHZRAC, DFHZRVX

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *termid*
5. *tranid*
6. *sense*
7. *instance*
8. Value chosen from the following options:
   1. DFHZRVX,
   2. DFHZRVX,
   3. DFHZRVX,
   4. DFHZRVX,
   5. DFHZRAC,
   6. DFHZRAC,
   7. DFHZRAC,
   8. DFHZRAC,
   9. DFHZRAC,
   10. DFHZRAC,
   11. DFHZRAC,
   12. DFHZRAC

**Destination**
CSNE

**DFHZC2459 E  date time applid termid tranid**
No TIOA available for send.

**sense ((instance) Module name: {DFHZSDS | DFHZSDS})**

**Explanation**
TCTTEDA was not loaded before issuing a DFHTC TYPE=WRITE, or it was inadvertently cleared. This imbed is inserted in DFHZC xxxx messages with *sense* inserts. For the meaning of *sense*, see message DFHZC2400.

**System action**
If a task is attached, it is abnormally terminated with a transaction dump. The send is purged.
User response
Ensure that TCTTEDA is loaded with the TIOA address before issuing the write.

Module:
DFHZSDDS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSDDS,
   2=DFHZSDDS

Destination
CSNE

DFHZC2460 E date time applid termid tranid Sense receive not supported.
   sense (instance) Module name: {DFHZZNAC}

Explanation
Sense codes not supported by CICS were received from the logical unit. This imbed is inserted in DFHZC xxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service.

User response
The user's node error program (DFHZNEP) can process the sense codes.

Module:
DFHZZNAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZZNAC
Explanation
The secondary logical unit and CICS both sent a begin-bracket indicator concurrently. This imbed is inserted in DFHZCxxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing the VTAM CLSDST macro.

User response
Correct the controller application program so that it cannot send a begin-bracket indicator.

Module: DFHZZNAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. nodeid
7. sense
8. instance
9. Value chosen from the following options:
   1=DFHZBLX,
   2=DFHZBLX,
   3=DFHZLGX

Destination
CSNE

DFHZC2463 E date applid termid tranid
Node nodeid resource pending deletion, connection request rejected. sense ((instance) Module name: {DFHZBLX / DFHZBLX / DFHZLGX})
**System action**

All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. A cancel indicator is issued to the logical unit permitting discard of the data in the current chain.

**User response**

Use the supplied dump to determine why the logical unit requested the chain to be discarded.

For the meaning of the sense data, refer to the explanatory paragraph in message DFHZC2461.

**Module:**

DFHZNAC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZNAC

**Destination**

CSNE

DFHZC2465 E  

*date time applid termid tranid Insufficient resources.*  
*sense ((instance) Module name: {DFHZNAC})*

**Explanation**

The subsystem controller application program has insufficient resources to handle the request. For instance, in the case of 3601, the 3601 diskette might be full, or the data segment in the 3601 might not be large enough to handle the data set. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

The subsystem is temporarily suspended.

**User response**

Determine why the controller application program encountered this condition. For the meaning of the sense data, refer to the explanatory paragraph in message DFHZC2461.

**Module:**

DFHZNAC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZNAC

**Destination**

CSNE

DFHZC2466 E  

*date time applid termid tranid Function not executable.*  
*sense ((instance) Module name: {DFHZNAC})*

**Explanation**

The controller application program cannot transmit a message to terminal termid. Either a data check occurred, or the node is not available. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Terminal status remains unchanged.

**User response**

Use the supplied dump to determine why the application program could not execute the request.

For the meaning of the sense data, refer to the explanatory paragraph in message DFHZC2461.

**Module:**

DFHZNAC
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZNAC

Destination

CSNE

DFHZC2467 E date time applid termid tranid
Invalid communications ID (CID) detected. sense ((instance) Module name: {DFHZLEX})

Explanation

CICS issued a VTAM request containing a communications identifier (CID) which VTAM did not recognize. This may be due to the TCTECID field having been altered. Alternatively, it may mean that the session is in the process of being closed down by VTAM and that CICS has tried to use it before the process was complete. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense , see message DFHZC2400.

System action

All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The node is placed out of service.

User response

Either issue VARY ACTIVATE for the node, or ensure that application programs running concurrently do not alter the NIB name. Names specified during VTAM definition must agree with those in the CICS definitions.

Module:

DFHZLEX

XMEOUT parameters/Message inserts

1. date
2. time
5. tranid
6. netname
7. sense
8. instance
9. Value chosen from the following options:
   1=DFHZLEX

Destination
CSNE

DFHZC2469 E  date time applid termid tranid
Exception response received.
   sense ((instance) Module name: {DFHZSYX | DFHZSYX})

Explanation
An exception response (negative response) was sent
by the secondary logical unit. This imbed is inserted
in DFHZC xxxx messages with sense inserts. For the
meaning of sense , see message DFHZC2400.

System action
For a non-3270 device, an exception response is
returned to the node, along with the sense codes
supplied by VTAM in the request parameter list (RPL)
for the inbound message. For a 3270 device, the
exception request contains 3270 sense/status.

User response
Analyze the sense codes in DFHZNEP.

Module:
DFHZSYX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSYX,
   2=DFHZSYX

Destination
CSNE

DFHZC2470 E  date time applid termid tranid
Task active at Shutdown.
   sense ((instance) Module name: {DFHZASX})

Explanation
One of the following has occurred:

- A request shutdown indicator was received from the
  controller application program on behalf of the node
  while a task was still attached.
- During VTAM shutdown, a shutdown complete
  indicator was received from the controller
  application program on behalf of the node while a
  task was still attached
- During VTAM shutdown, a task was still attached to a
  VTAM 3270 (which cannot send request shutdown or
  shutdown complete).

This imbed is inserted in DFHZC xxxx messages with
sense inserts. For the meaning of sense , see message
DFHZC2400.

System action
In the first two cases, CICS honors the command. In
all cases, all outstanding send and receive requests
are purged, and if a task is attached, it is abnormally
terminated with a transaction dump. Communication
with the node is terminated by issuing a VTAM CLSDST
macro.

User response
None.

Module:
DFHZASX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZASX
**Explanation**
The function management header (FMH) length was greater than that of the data received from the logical unit. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**
All data received is purged. If a task is attached, it is abnormally terminated with a transaction dump.

**User response**
Correct the application program in the logical unit.

**Note:**
The first 16 bytes of the I/O area in error are put to the CSNE log data set to aid in error determination.

**Module:**
DFHZRAC, DFHZATT

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZATT,
   2=DFHZATT,
   3=DFHZATT,
   4=DFHZATT,
   5=DFHZATT,
   6=DFHZRAC

---

**Explanation**
The receive request for the remainder of data in excess of the input area for the receive-any module was not accepted by VTAM. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**
All associated data is purged.

**User response**
A subsequent message follows in the log, indicating reasons for the request failing. Refer to this message for further information and guidance.

**Module:**
DFHZRAC

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRAC,
   2=DFHZRAC

---

**Explanation**
Outbound chaining not supported.

**Module:**
DFHZSDS, DFHZATT

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZATT,
   2=DFHZATT,
   3=DFHZATT,
   4=DFHZATT,
   5=DFHZATT,
   6=DFHZRAC
Explanation

The application program has attempted to send more data than the generated maximum allowable length. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action

All send requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User response

Correct the application program so that it is sensitive to the maximum allowable length of data that can be sent to the terminal (such as checking the device type), providing the terminal does not support outbound chaining of data (such as a pipeline session).

Note: The generated maximum allowable length is specified in the TCTTE.

Module: DFHZSDS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSDS,
   2=DFHZSDS

Destination

CSNE

DFHZC2475 E  date time applid termid tranid  
Function cancelled by LU device. sense ((instance) Module name: 
{DFHZZNAC})

Explanation

The logical unit (LU) has terminated all processing connected with one of its components. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action

All send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User response

Correct the problem with the LU component and bring it back online. Possible causes of the problem include the following:

• Power for the device is switched off
• A line that is down
• A hardware problem
• In the case of an LU6 link, the connected transaction, for example, CSMI, has terminated abnormally.

Module: DFHZNAC

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZNAC

Destination

CSNE

DFHZC2476 E  date time applid termid tranid  
Resource unavailable. sense ((instance) Module name: 
{DFHZNAC})
User response
Correct the problem with the LU component and bring it back online. Possible causes of the problem include the following.

- Power for the device is switched off.
- A line that is down.
- A hardware problem.

Module:
DFHZNAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:

   1=DFHZNAC

Destination
CSNE

DFHZC2477 E  date time applid termid tranid Chaining not supported.
               sense ((instance) Module name: {DFHZNAC})

Explanation
The logical unit (LU) does not support chaining of data from the host. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense , see message DFHZC2400.

System action
All send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User response
Correct the application program so that the LU has a counterpart on the translate table.

Module:
DFHZNAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid

Note: The buffer parameter value can be increased only to the maximum acceptable limit of the LU.
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZNAC

**Destination**

CSNE

**DFHZC2479 E**

date time applid termid tranid
Function not supported.
sense ((instance)) Module name: (DFHZNAC)

**Explanation**

The response unit (RU) received by the logical unit (LU) contains a request that this device does not support. This imbed is inserted in DFHZC xxxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

All send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

**User response**

Ensure that the terminal control table (TCT) generation specifications for the device are valid as well as able to accommodate the application requests. (For example, a read-only device being defined as transceive, yet having a bid sent to it.)

**Module:**

DFHZNAC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZNAC

**Destination**

CSNE

**DFHZC2480 E**

date time applid termid tranid
Retry requested. sense ((instance)) Module name: (DFHZNAC)

**Explanation**

The logical unit (LU) has indicated, via sense codes contained in an exception response or an LU status message, that it requires the data to be retransmitted. This imbed is inserted in DFHZC xxxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

Retransmission of data will be attempted only in the case of protected tasks (message integrity). If the exception response containing the retry sense codes is received for an unprotected task while in chain processing, a cancel command will be sent to the LU and the task will be resumed. If CICS is not in chain processing, the transaction will be resumed.

**User response**

If message retransmission is necessary for the LU, ensure that the retry sense codes are imbedded in the exception response. Also ensure that the host transaction is defined as a protected task (message integrity).

**Module:**

DFHZNAC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZNAC

**Destination**

CSNE
DFHZC2481 E  date time applid termid tranid RU
   Error. sense ( (instance) Module name: {DFHZNAC})

Explanation
The response unit (RU) received by the logical unit (LU) was either not translatable or had an invalid length. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
All send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User response
Retrying the request a number of times by use of the node error program (NEP) mechanism may be necessary. This is because this type of error may stem from a bad communication line. If this fails, check for possible invalid or inappropriate terminal specifications at terminal control table (TCT) generation time.

Module: DFHZNAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZATT

Destination
CSNE

DFHZC2482 E  date time applid termid tranid
   Pipeline session bracket error. sense ( (instance) Module name: {DFHZNAC})

Explanation
Normal data flow has been interrupted. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
Processing continues.
User response
Retry the WRITE.

Module:
DFHZNAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZNAC

Destination
CSNE

DFHZC2484 E  date time applid termid tranid
Component not available.
sense ((instance) Module name: {DFHZNAC})

Explanation
An application request could not be satisfied because the required component was not available. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
If a task is attached, it is abnormally terminated with a transaction dump. All outstanding send and receive requests are purged.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Check the terminal environment, or use the symptom string, and if necessary the dump, to determine the cause of the error.

Module:
DFHZNAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRUX

Destination
CSNE

DFHZC2485 E  date time applid termid tranid
Cancel received in 'CS'-mode.
sense ((instance) Module name: {DFHZRUX})

Explanation
A CANCEL indicator was received while a task was active. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
If a task is attached, it is abnormally terminated with a transaction dump. All outstanding send and receive requests are purged.

User response
None.

Module:
DFHZRUX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRUX
Destination
CSNE

DFHZC2486 E  date time applid termid tranid
Cancel received in 'CA'-mode. sense ((instance) Module name: {DFHZRAC})

Explanation
A CANCEL indicator was received while no task was active. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
Processing continues.

User response
None.

Module:
DFHZRAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRAC

Destination
CSNE

DFHZC2487 E  date time applid termid tranid

Explanation
A connection request was rejected. CICS is temporarily unable to carry out the connection request. The TCTTE for node nodeid indicated that the session could not be established. returncode gives the reason, as follows:
1. The CLSDST macro has been scheduled for this node
2. The node is in an abnormal condition
3. The node has an error condition raised against it
4. The node is already in use
5. CICS is terminating
6. VTAM is terminating.

This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The connection request is rejected.

User response
Retry the connection request when the node becomes available. See the Developing system programs for CICS for more information on the CLSDST macro and for an explanation of abnormal node conditions.

Module:
DFHZLGX, DFHZSCX, DFHZBLX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. nodeid
7. returncode
8. sense
9. instance
10. Value chosen from the following options:
    1=DFHZSCX,
    2=DFHZSCX,
    3=DFHZSCX,
    4=DFHZSCX,
    5=DFHZSCX,
    6=DFHZSCX,
Destination
CSNE

DFHZC2488 E  

**Explanation**

A connection request was rejected because the CICS terminal recovery program was still executing. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

The connection request is rejected.

**User response**

Retry the connection request. Message DFHRU2800 is produced when the recovery program has completed processing.

**Module:**
DFHZLGX, DFHZSCX, DFHZBLX

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. nodeid
7. sense
8. instance
9. Value chosen from the following options:
   1. DFHZLGX,
   2. DFHZSCX,
   3. DFHZBLX

**Destination**

CSNE

DFHZC2489 E  

**Explanation**

The TYPETERM or TERMINAL resource definition of the device from which the information is to be copied ("from" device) did not specify the COPY feature. Alternatively, the "from" device:

- Is not defined to CICS, or
- Is not a 3270, or
- Is not connected to CICS via VTAM.

This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

If a task is attached, it is abnormally terminated with a transaction dump.

**User response**

Ensure that the application program is aware of the device configuration. Furthermore, ensure that the "from" device is defined to CICS as a 3270 device AND is connected to CICS.

**Module:**
DFHZARQ

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance

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8. Value chosen from the following options:
   1=DFHZARQ,
   2=DFHZARQ,
   3=DFHZARQ

Destination
CSNE
DFHZC2490 E date time applid termid tranid Request for TOLTEP.
sense ((instance) Module name: {DFHZSYX})

Explanation
On a request for TOLTEP, a receive request completes in error. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
If a transaction is currently attached, it is abnormally terminated. The terminal is disconnected from CICS by a VTAM CLSDST macro, and is queued for logon to CICS when TOLTEP has finished.

User response
None.
Module:
DFHZSYX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSYX

Destination
CSNE
DFHZC2492 E date time applid termid tranid Intervention required on 3270

printer. sense ((instance) Module name: {DFHZNAC})

Explanation
This message is sent to the CSNE message log when an INTERVENTION REQUIRED condition is detected on a 3270 printer. This condition could occur for any of the reasons listed below.

- A transaction has requested the use of a printer that does not exist.
- The printer adapter feature is not present.
- There is no paper in the printer.
- The printer cover is open.
- The printer is offline.

This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
No action is performed except printing of the RPL and the TCTTE.

User response
Check that the printer is in proper working order. If it is, check that the printer is properly defined to CICS and that the transaction requests proper printer operations.

Module:
DFHZNAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZNAC

Destination
CSNE
DFHZC2493 E date time applid termid tranid Intervention required on 3270

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device. sense ((instance) Module name: \{DFHZNAC\})

**Explanation**

This message occurs when an INTERVENTION REQUIRED condition arises on the 3270 Information Display System. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

No action is performed.

**User response**

Correct the intervention condition.

Module:

DFHZNAC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1. \{DFHZNAC\}

**Destination**

CSNE

DFHZC2494 E  

**Explanation**

An error status message sense was received from a 3270 Information Display System. An INTERVENTION REQUIRED condition causes an "intervention required" message to be output instead of this message.

**System action**

If a task is attached, it is abnormally terminated with a transaction dump. If bad data, sent by Basic Mapping Support (BMS), causes an operation check, the bad data is purged.

**User response**

Analyze the error status codes to determine the proper course of action required to correct the unit error or program error. For non-SNA 3270 devices, the sense code is 0000 xxxx, where xxxx is sense data returned by the control unit to which the 3270 device is attached. Datastream errors are rejected with an Operation Check, and commands with a Command Reject. Details of error status codes are given in the IBM 3270 Information Display System 3274 Control Unit Description and Programmer's Guide.

Module:

DFHZNAC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1. \{DFHZNAC\}

**Destination**

CSNE

DFHZC2495 E  

**Explanation**

DFHZNAC has performed an interval control PUT to a 3270 printer on behalf of a DFHZC2497 "unavailable printer" condition. The printer is:

- Out of service,
- Has an intervention situation, or
- Does not have a RECEIVE or TRANSCEIVE status.

This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.
System action
Other processing continues.

User response
Determine why the printer is unavailable. If the terminal is out of service, put it back into service. If the terminal has an intervention situation, determine what this situation is and correct it. If the terminal does not have a RECEIVE or TRANSCEIVE status, place it into RECEIVE or TRANSCEIVE status.

Module:
DFHZNAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZNAC

Explanation
DFHZNAC has attempted to perform a DFHIC TYPE=PUT macro as the result of a DFHZC2497 "unavailable printer" condition and has failed. This message is written to the CSNE log. This imbed is inserted in DFHZC xxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
DFHZNEP is recalled by DFHZNAC to allow for further processing.

User response
Ensure that:

• The interval control program (ICP) is capable of handling the request that DFHZNAC is issuing for the IOERROR and INVREQ errors
• CSPP is an installed transaction definition for the TRNIDER error
• DFHZNEP is passing DFHZNAC as a valid terminal address for the TRMIDER error.

Module:
DFHZNAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. Value chosen from the following options:
   1= IOERROR,
   2= TRNIDER,
   3= TRMIDER,
   4= INVREQ
7. sense
8. instance
9. Value chosen from the following options:
   1=DFHZNAC

Explanation
A print function was requested on a 3270 display device. Neither the PRINTTO nor the ALTPRT printer was available to receive the information. This imbed is inserted in DFHZC xxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
If no NEP action is specified, the print request is halted.
User response
A possible solution is to route the data available at TCTTEDA in the provided terminal entry to a transient data queue that causes automatic task initiation later to a printer. This would be done in DFHZNEP. For more information, see the Developing system programs for CICS.

Module: DFHZARQ

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZARQ

Destination
CSNE

DFHZC2498 E date time applid The following message was destined for a read only terminal. The text is 'msgtext'

Explanation
The user has entered an invalid entry, the entry is rejected, and the request is backed out.

System action
Terminal Control backs out the request and issues this message with the error information contained in msgtext.

User response
Read the error information that is contained in msgtext and reenter the request.

Module:

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. msgtext

Destination
CSTL

DFHZC3202 E date time applid Transaction CCIN - VTAM netname netname. The value codepage in the codepage parameter is not supported.

Chapter 2. CICS messages 2417
Explanation
A CCIN transaction has been run from a CICS client. The codepage which the CICS client has requested is not supported.

*netname* is the VTAM netname of the CICS client.

System action
CICS cannot perform the translations required to support the CICS client with the requested character set and codepage. CICS continues but uses a default codepage instead of the supplied one. For details of the default codepage, see the [Developing distributed applications manual](#).

The request to install the CICS client continues, but uses the default codepage. A response code of EXCEPTION and a reason code of INVALIDCODEPAGE is sent to the client.

User response
If you need further assistance from IBM to resolve this problem, see [Working with IBM to solve your problem](#) for guidance on how to proceed.

Module:
DFHZCN2

XMEOUT parameters/Message inserts
1. *date*
2. *time*
3. *applid*
4. *netname*
5. *codepage*

Destination
CSCC

DFHZC3203 E  
*date time applid* Transaction CCIN  
- VTAM netname *netname*. The capabilities parameter is not valid.

Explanation
A CCIN transaction has been run from a CICS client. The capabilities which have been received are not valid. The CICS client has specified that it supports features which no CICS client is supposed to support. The CICS client is violating the CICS client communications architecture.

*netname* is the VTAM netname of the CICS client.

System action
Exception trace point AP301B is written.

The request to install the CICS client is rejected. A response code of DISASTER and a reason code of INVALIDREQUEST is sent to the client.

User response
If you need further assistance from IBM to resolve this problem, see [Working with IBM to solve your problem](#) for guidance on how to proceed.

Module:
DFHZCN1
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname

**Destination**

CSCC

**DFHZC3205**

`date time applid` Transaction

CTIN - virtual terminal `termid`

VTAM netname `netname`. CICS cannot support the `{n.a. / n.a. / n.a. / combination of client and virtual terminal codepage. / client codepage. / virtual terminal codepage.}`

**Explanation**

A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation.

CICS was checking the codepage specified by the CICS client and the codepage specified by the virtual terminal. However one of the following occurred:

1 - 3

n.a. - not applicable and should not occur.

4

`unsupported combination of CICS client and virtual terminal codepage`. indicates that the two codepages above are known about but CICS does not support data conversion between the CICS client codepage and the virtual terminal codepage.

5

`unsupported CICS client codepage` indicates that CICS is unable to support the codepage supplied by the CICS client in the CCIN or CTIN transaction.

6

`unsupported virtual terminal codepage` indicates that the CGCSGID parameter defining the virtual terminal codepage is not supported for CICS data conversion. If the virtual terminal was autoinstalled, CGCSGID was specified in the autoinstall model requested by the CICS client. If the virtual terminal was defined, CGCSGID was defined in the TYPETERM named by the virtual terminal definition.

CICS cannot perform the translations required to support the CICS client with the requested codepage.

**System action**

Exception trace point AP3035 is written.

4

`unsupported combination of CICS client and virtual terminal codepage`.

A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client. The virtual terminal is NOT installed.

5

`unsupported CICS client codepage`.

The request to install the virtual terminal continues and the invalid codepage is replaced by a default as specified in the Developing distributed applications manual.

A response code of EXCEPTION and a reason code of INVALIDCODEPAGE is sent to the client.

6

`unsupported virtual terminal codepage`.

A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client. The virtual terminal is NOT installed.

**User response**

See the Developing distributed applications manual and check the list of the client codepage values then reconfigure the workstation locale or correct the virtual terminal TYPETERM definition.

The exception trace point AP3035 contains the CICS client codepage and the virtual terminal CGCSGID values.

**Module:**

DFHZCT1

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. netname
6. Value chosen from the following options:

1=n.a.,
2=n.a.,
3=n.a.,
4=combination of client and virtual terminal codepage.,
5=client codepage.,
6=virtual terminal codepage.

Destination
CSCC

DFHZC3206 E date applid time Transaction CTIN
- virtual terminal termid VTAM netname netname. The client's terminal install limit has been exceeded.

Explanation
A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However the CICS client whose VTAM netname is netname already has 512 virtual terminals.

termid is the name that would have been given to the new virtual terminal. If the CICS client did not supply the name it is blank.

System action
The request to install the virtual terminal is rejected. A response code of DISASTER and a reason code of INVALIDREQUEST is sent to the client.

User response
Check why the CICS client has sent so many CTIN installs without corresponding CTIN uninstall functions.

To correct the problem the CICS client must send a CTIN uninstall for each virtual terminal that needs to be deleted.

Module: DFHZCT1

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. termid

Destination
CSCC

DFHZC3207 E date applid time Transaction CTIN
- VTAM netname netname. The request has not been run.

Explanation
A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However there was no previous CCIN install request for the CICS client with the VTAM netname of netname. CCIN must always run before CTIN.

This may have been caused by a CICS restart.

netname is the VTAM netname of the CICS client.

System action
If the request was to install a virtual terminal then it is rejected with a response code of CTIN_ERROR and a reason code of CTIN_CCIN_INACTIVE.

User response
The CICS client must carry out CCIN uninstall/install before the next CTIN install.

Module: DFHZCT1

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. termid
6. netname

Explanation
A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However CICS was unable to find the model modelid which was specified in the CICS_EpiAddTerminal DEVTYPE parameter or terminal emulator ModelId parameter.

modelid cannot be found.

netname is the VTAM netname of the CICS client.
System action
The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of UNKNOWNMODEL is sent to the client.

User response
Either correct the DevType in the CICS_EpiAddTerminal function or terminal emulator parameter or install a model of this name using RDO to define the autoinstall model with the RDO TERMINAL and TYPETERM definitions.

Module:
DFHZCT1

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. netname
6. modelid

Destination
CSCC
DFHZC3209 E  date time applid Transaction CTIN - VTAM netname netname. CICS cannot supply a terminal name because all available names are in use.

Explanation
A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. The parameter list did not supply a NetName indicating that CICS should supply the name. However there are only 46,656 possible names available and they are all currently in use.

netname is the VTAM netname of the CICS client.

System action
The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client.

User response
As CICS clients issue CTIN uninstalls for autoinstalled virtual terminals these termids will be freed.

It is possible that some of the CICS clients were switched off leaving autoinstalled virtual terminals around. When these are switched back on again they should issue CCIN install which will free the virtual terminals if they are not in use.

DISCARD can be used to delete a virtual terminal - but this should be done with discretion.

If the SIT VTPREFIX coincides with the first character of the termid allocated to a normal autoinstall terminal by the autoinstall URM (default DFHZATDX), there may be some names reserved because the autoinstall terminal existed when CTIN install tried to use the same name. Avoid doing this if possible because the only way to free these names is to restart CICS.

Module:
DFHZCT1

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname

Destination
CSCC
DFHZC3210 E  DATE TIME APPLID Transaction CTIN - virtual terminal termid VTAM netname netname. CICS cannot attach the CITS transaction.

Explanation
A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. As part of the installation process the CITS transaction is called to create a virtual terminal termid. However CICS was unable to attach the CITS transaction.

netname is the VTAM netname of the CICS client.

System action
Exception trace point AP3025 is written.

The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client.
Check that the CITS transaction and the DFHZATS program are defined correctly as specified in the DFHSPI IBM supplied group and are installed.

**Module:** DFHZCT1

**XMEOUT parameters/Message inserts**

1. DATE
2. TIME
3. APPLID
4. termid
5. netname

**Destination**

CSCC

DFHZC3211 E  
**DATE TIME APPLID**  
Transaction  
CTIN - virtual terminal termid  
VTAM netname netname. The NetName parameter starts with an invalid character.

**Explanation**

A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. The NetName parameter termid starts or ends with a character that conflicts with CICS standards.

netname is the VTAM netname of the CICS client.

**System action**

The request to install the virtual terminal is rejected. A response code of DISASTER and a reason code of INVALIDTERMD is sent to the client.

**User response**

Change the NetName to start or end with a different character. It can start with any character that is valid for a normal terminal name except for <,> or -. It cannot end with an -. If the NetName was specified correctly, check the input to the CTIN transaction.

**Module:** DFHZCT1

DFHZC3212 E  
**DATE TIME APPLID**  
Transaction  
CTIN - virtual terminal termid  
VTAM netname netname. The transaction has timed out waiting for CITS to run.

**Explanation**

A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. As part of the installation process the CITS transaction is called to create virtual terminal termid. However the CTIN transaction has waited for two minutes for the CITS transaction to run.

netname is the VTAM netname of the CICS client.

**System action**

Exception trace point AP3027 is written.

The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client.

**User response**

Investigate why the CITS transaction was unable to start or was hanging.

You may need to increase MAXTASK or the CITS TRANCLASS allocation.

**Module:** DFHZCT1

DFHZC3213 E  
**DATE TIME APPLID**  
Transaction  
CTIN - virtual terminal termid  
VTAM netname netname. CICS 2422

**XMEOUT parameters/Message inserts**

1. DATE
2. TIME
3. APPLID
4. termid
5. netname

**Destination**

CSCC

DFHZC3213 E  
**DATE TIME APPLID**  
Transaction  
CTIN - virtual terminal termid  
VTAM netname netname. CICS
cannot attach the CDTS transaction.

Explanation
A CTIN uninstall request has been received from a CICS client as a result of a CICS_EpiDelTerminal function or terminal emulator operation. As part of the delete process the CDTS transaction is called to delete virtual terminal termid. However CICS was unable to attach the CDTS transaction.

netname is the VTAM netname of the CICS client.

System action
Exception trace point AP3028 is written. The attempt to delete the virtual terminal is rejected.

User response
Check to see if the CDTS transaction and the DFHZATS program are defined correctly as specified in IBM supplied group DFHSPI and that they are installed.

Module:
DFHZCT1

XMEOUT parameters/Message inserts
1. DATE
2. TIME
3. APPLID
4. termid
5. netname

Destination
CSCC

DFHZC3214 E DATE TIME APPLID Transaction CTIN - virtual terminal termid VTAM netname netname. The CTIN transaction has timed out waiting for CDTS to run.

Explanation
A CTIN uninstall request has been received from a CICS client as a result of a CICS_EpiDelTerminal function or terminal emulator operation. As part of the installation process the CDTS transaction is called to delete virtual terminal termid. However CICS was unable to attach the CDTS transaction for two minutes and so ends with this message.

netname is the VTAM netname of the CICS client.

System action
Exception trace point AP3029 is written. The CDTS attempt to delete the virtual terminal continues and will occur when the CDTS transaction starts or is 'unsuspended'.

User response
Check to see why the CDTS transaction was unable to start or was hanging.

You may need to increase MAXTASK or the CDTS TRANCLASS allocation.

Module:
DFHZCT1

XMEOUT parameters/Message inserts
1. DATE
2. TIME
3. APPLID
4. termid
5. netname

Destination
CSCC

DFHZC3215 E DATE TIME APPLID Transaction CTIN - virtual terminal termid VTAM netname netname. The terminal is in use by another transaction.

Explanation
A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However the virtual terminal termid is in use, that is the surrogate TCTTE indicates that a transaction is still running against this terminal.

netname is the VTAM netname of the CICS client.

System action
Exception trace point AP302E is written. The request to install the virtual terminal is rejected.

A response code of ERROR and a reason code of ALREADYINSTALLED is sent to the client.

User response
Investigate why a transaction is still running for the virtual terminal.
Module:
DFHZCT1

XMEOUT parameters/Message inserts
1. DATE
2. TIME
3. APPLID
4. termid
5. netname

Destination
CSCC
DFHZC3216 E DATE TIME APPLID Transaction CTIN - virtual terminal termid
VTAM netname netname. CICS cannot find the terminal.

Explanation
A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CTIN specified that a predefined virtual terminal termid should be used, but CICS cannot find it and no ModelId was provided (DevType) so an autoinstall was not attempted.

netname is the VTAM netname of the CICS client.

System action
The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of UNKNOWNTERMINAL is sent to the client.

User response
Ensure that there is an installed predefined terminal for termid that has a remote system parameter (REMTESYS)tem) specifying the name of this CICS clients connection and that the VTAM NETNAMEs match. Then install the definition with the correct parameters.

Module:
DFHZCT1

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname

Destination
CSCC
DFHZC3217 E date time applid Transaction CTIN - VTAM netname netname. The specified function is not valid.

Explanation
A CTIN request has been received from a CICS client with a VTAM netname of netname. However the function specified was not INSTALL or UNINSTALL.

System action
Exception trace point AP3034 is written. The CTIN transaction abnormally terminates with abend code AZAI.

User response
Determine where the request originated. Ensure that the input has not been corrupted. You may need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHZCT1

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname

Destination
CSCC
DFHZC3218 E DATE TIME APPLID Transaction CTIN - virtual terminal termid
VTAM netname netname. A resource with the same name as the terminal is already installed.

Explanation
A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CTIN specified that a virtual terminal termid should be autoinstalled. However another resource was installed with the same name after the CTIN transaction had ensured that the name was free.

netname is the VTAM netname of the CICS client.
Exception trace point AP3026 is written.

The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of ALREADYINSTALLED is sent to the client.

Investigate where the duplicate resource came from. It is possible that the terminal/APPC autoinstall URM created the name dynamically and that the CICS client used a name that clashes with the URM. It is also possible that a client created the virtual terminal and then tried to reuse it without an intervening uninstall, via CCIN or CTIN.

Module:
DFHZCT1

XMEOUT parameters/Message inserts
1. DATE
2. TIME
3. APPLID
4. termid
5. netname

Destination
CSCC
DFHZC3220 E DATE TIME APPLID Transaction
CTIN - virtual terminal termid
VTAM netname netname. The terminal has already been installed.

Explanation
A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CTIN specified that the virtual terminal termid should be autoinstalled. However, the virtual terminal was already installed. netname is the VTAM netname of the CICS client.

System action
The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of ALREADYINSTALLED is sent to the client.

User response
Investigate where the duplicate resource came from. It is possible that the terminal/APPC autoinstall URM created the name dynamically and that the CICS client used a name that clashes with the URM.

Module:
DFHZCT1

Destination
CSCC
DFHZC3219 E DATE TIME APPLID Transaction
CTIN - virtual terminal termid
VTAM netname netname. The terminal is already in use.

Explanation
A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CTIN supplied a NetName termid but CICS found a resource with the same name which is either an existing virtual terminal for this client, an existing virtual terminal for another client or another CICS terminal or connection resource.

netname is the VTAM netname of the CICS client.

System action
The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of ALREADYINSTALLED is sent to the client.

User response
Investigate where the duplicate resource came from. It is possible that the terminal/APPC autoinstall URM created the name dynamically and that the CICS client used a name that clashes with the URM. It is also possible that a client created the virtual terminal and then tried to reuse it without an intervening uninstall, via CCIN or CTIN.

Module:
DFHZCT1

XMEOUT parameters/Message inserts
1. DATE
2. TIME
3. APPLID
4. termid
5. netname

Destination
CSCC
DFHZC3219 E DATE TIME APPLID Transaction
CTIN - virtual terminal termid
VTAM netname netname. The terminal is already in use.
DATE
TIME
APPLID
termid
netname

Destination
CSCC

DFHZC3222 E DATE TIME APPLID Transaction
CTIN - virtual terminal termid
VTAM netname netname. The CITS
task has terminated abnormally.

Explanation
A CTIN install request has been received from a CICS
client as a result of a CICS_EpiAddTerminal function
or terminal emulator operation. CICS attempted to
autoinstall the virtual terminal termid. However, the
CITS task which was attached to install the virtual
terminal, abended.

If this ABEND was an AZVE, this is because a resource
already exists with that name. However, this only
occurs if the duplicate resource was added after
this CTIN transaction started and checked for any
duplicate.

netname is the VTAM netname of the CICS client.

System action
Exception trace point AP3030 is written.
The request to install the virtual terminal is rejected.
A response code of ERROR and a reason code of
INSTALLCANCELLED is sent to the client.

User response
Investigate where the duplicate resource came from.
It is possible that the terminal/APPC autoinstall URM
created the name dynamically.

If NetName was specified on the CTIN install ensure
that NetName does not conflict with other CICS
resources.

If NetName was not specified, examine the SIT
VTPREFIX override to check that the URM does not
create names starting with the VTPREFIX character.

Module:
DFHZCT1

XMEOUT parameters/Message inserts
1. DATE
2. TIME
3. APPLID
termid

Explanation
A CTIN install request has been received from a CICS
client as a result of a CICS_EpiAddTerminal function
or terminal emulator operation. CICS specified that
the virtual terminal termid should be autoinstalled.
However, the name specified is already in use by
another CICS resource.

netname is the VTAM netname of the CICS client.

System action
The request to install the virtual terminal is rejected.
A response code of ERROR and a reason code of
ALREADYINSTALLED is sent to the client.

User response
Investigate where the duplicate resource came from.
It is possible that the terminal/APPC autoinstall URM
created the name dynamically.

If NetName was specified on the CTIN install, ensure
that the names do not conflict.

If NetName was not specified, examine the SIT
VTPREFIX override to check that the URM does not
create names starting with the VTPREFIX character.

For any other abend, see the description of the abend
code for further guidance.

Module:
DFHZCT1

XMEOUT parameters/Message inserts
1. DATE
2. TIME
3. APPLID
termid
5. netname

Destination
CSCC

DFHZN3223 E  DATE TIME APPLID Transaction
CTIN - virtual terminal termid
VTAM netname netname. The surrogate TCTTE is in use and
cannot be deleted.

Explanation
A CTIN uninstall request has been received from
a CICS client as a result of a CICS_EpiDelTerminal
function or terminal emulator operation. However, the
surrogate TCTTE attached to the virtual terminal is still
in use and cannot be deleted.

netname is the VTAM netname of the CICS client.

System action
The attempt to delete the virtual terminal is rejected.

User response
Determine why a CICS client requested that a non
existent virtual terminal be deleted.

If the CTIN uninstall was issued correctly and the
virtual terminal should exist, examine the CICS log for
message DFHZC5966 and for DFHZC32xx messages
referring to this terminal.

Module:
DFHZCT1

XMEOUT parameters/Message inserts

1. DATE
2. TIME
3. APPLID
4. termid
5. netname

Destination
CSCC

DFHZN3224 E  DATE TIME APPLID Transaction
CTIN - VTAM netname netname. The terminal cannot be deleted
because the NetName parameter is missing.

Explanation
A CTIN uninstall request has been received from
a CICS client as a result of a CICS_EpiDelTerminal
function or terminal emulator operation. However the
NetName parameter, defining which virtual terminal is
to be deleted, is missing.

netname is the VTAM netname of the CICS client.
System action

Exception trace point AP3037 is written - data 2 contains the data received. The attempt to delete the virtual terminal is rejected.

User response

Examine the input to CTIN. You may need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHZCT1

XMEOUT parameters/Message inserts

1. DATE
2. TIME
3. APPLID
4. netname

Destination

CSCC

DFHZC3226 E DATE TIME APPLID Transaction
CTIN - virtual terminal termid
VTAM netname netname. CICS cannot access the builder parameter set.

Explanation

A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CICS is attempting to extract the details from the virtual terminal that has just been created and return them back to the CICS client. However the attempt to extract the details in the form of a builder parameter set (BPS) failed. netname is the VTAM netname of the CICS client.

System action

Exception trace point AP3031 is written - data 2 contains the data received. The attempt to delete the virtual terminal is rejected. A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client.

User response

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHZCT1

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname

Destination

CSCC

DFHZC3227 E date time applid Transaction
CTIN - VTAM netname netname. The client data is longer than expected.

Explanation

A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However the data received was longer than expected. netname is the VTAM netname of the CICS client.

System action

Exception trace point AP302D is written - data 2 contains the length that was received. The CTIN transaction abnormally terminates with abend code AZAI.

User response

Examine the data sent to CICS from the CICS client. You may need to contact IBM for assistance. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHZCT1

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname

Destination

CSCC

DFHZC3228 E date time applid Transaction
CTIN - VTAM netname netname. The client header data contains an invalid group.
Explanation
A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However the header contains an invalid group. netname is the VTAM netname of the CICS client.

System action
Exception trace point AP3024 is written - data 2 contains the data received. The CTIN transaction abnormally terminates with abend code AZAI.

User response
Examine the data sent to CICS from the CICS client. You may need to contact IBM for assistance. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHZCT1

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname

Destination
CSCC

DFHZC3229 E  date time applid Transaction CTIN - VTAM netname netname. CICS has received invalid data from the client.

Explanation
A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CICS attempted to parse this data but found a discrepancy between the number of parameters, the length of the parameters and the length of the data received. netname is the VTAM netname of the CICS client.

System action
Exception trace point AP3033 is written - data 2 contains the data received. The CTIN transaction abnormally terminates with abend code AZAI.

User response
Examine the data sent to CICS from the CICS client. You may need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHZCT1

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname

Destination
CSCC

DFHZC3230 E  date time applid Transaction CTIN - VTAM netname netname. CICS has received a client request on an unsupported sync level.

Explanation
A CTIN request has been received on a conversation which is not at synchronization level 0 or 1. netname is the VTAM netname of the CICS client.

System action
Exception trace point AP302B is written. The CTIN transaction abnormally terminates with abend code AZAI.

User response
Ensure that the CICS client converses at sync level 0 or 1.

Module:
DFHZCT1

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname

Destination
CSCC
DFHZC3231 E  date time applid Transaction CTIN
- VTAM netname netname. The client header data contains an invalid version number.

**Explanation**

A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However, there is an invalid version number in the header. *netname* is the VTAM netname of the CICS client.

**System action**

Exception trace point AP3036 is written - data 2 contains the data received. The CTIN transaction abnormally terminates with abend code AZAI.

**User response**

Since the version used in the CICS client must match with the version used by the server, one or the other is at the wrong level and should be changed. You may need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHZCT1

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname

**Destination**

CSCC

DFHZC3240 E  DATE TIME APPLID Transaction CCIN - VTAM netname netname. CICS has received a client request on an unsupported sync level.

**Explanation**

A CCIN request has been received on a conversation which is not at synchronization level 0 or 1. *netname* is the VTAM netname of the CICS client.

**System action**

Exception trace point AP3003 is written - data 2 contains the length that was received. The CCIN transaction abnormally terminates with abend code AZAF.

**User response**

Examine the data sent to CICS from the CICS client. You may need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHZCN1

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname

**Destination**

CSCC
DFHZC3242 E  

*date* *time* *applid* Transaction CCIN
- VTAM netname *netname*. The client header data contains an invalid group.

**Explanation**
A CCIN request has been received from a CICS client. However there is an invalid group in the header. *netname* is the VTAM netname of the CICS client.

**System action**
Exception trace point AP3002 is written - data 2 contains the data received. The CCIN transaction abnormally terminates with abend code AZAF.

**User response**
Examine the data sent to CICS from the CICS client.

**Module:** DFHZCN1

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *netname*

**Destination**
CSCC

DFHZC3244 E  

*date* *time* *applid* Transaction CCIN
- VTAM netname *netname*. The client header data contains an invalid version number.

**Explanation**
A CCIN install request has been received from a CICS client. However the header contains an invalid version value.  *netname* is the VTAM netname of the CICS client.

Either the CICS client is setting up the CCIN header incorrectly or a new version of the CICS client software is being used which is not supported on CICS TS 5.4.

**System action**
Exception trace point AP3002 is written - data 2 contains the data received. The CCIN transaction abnormally terminates with abend code AZAF.

**User response**
Investigate why the CICS client has sent an unknown function call to CCIN. You may need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHZCN1

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *netname*
Destination
CSCC

DFHZC3245 E  

Explanation
A CCIN transaction has been run from a CICS client. One of the parameters which must be supplied is the CAPABILITIES parameter which specifies the capabilities the CICS client can support. This parameter is missing.

netname is the VTAM netname of the CICS client.

System action
The capabilities parameter has not been specified.

User response

Module:
DFHZCN1

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. netname

Destination
CSCC

DFHZC3246 date time applid Transaction CCIN - virtual terminal termid VTAM netname netname. The capabilities parameter has not been specified.

Explanation
A CCIN transaction has been run from a CICS client. One of the parameters which must be supplied is the CAPABILITIES parameter which specifies the capabilities the CICS client can support. This parameter is missing.

netname is the VTAM netname of the CICS client.

System action
The capabilities parameter has not been specified.

User response

Module:
DFHZCN1

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. netname

Destination
CSCC

DFHZC3247 date time applid Transaction CCIN - virtual terminal termid VTAM netname netname. The CCIN transaction has timed out waiting for CDTS to run.

Explanation
A CCIN request has been received from a CICS client. As part of the processing, the CDTS transaction is called to delete virtual terminal termid. However the CCIN transaction has waited for the CDTS transaction for two minutes and has timed out.

netname is the VTAM netname of the CICS client.

System action
The attempt to delete the virtual terminal fails. If this is a CCIN install request, the install continues.

User response
Ensure that the CDTS transaction and the DFHZATS program are defined correctly as specified in IBM supplied group DFHSPI and that they are installed.

Module:
DFHZCN2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. netname

Destination
CSCC

DFHZC3246 date time applid Transaction CCIN - virtual terminal termid VTAM netname netname. CICS cannot attach the CDTS transaction.

Explanation
A CCIN request has been received from a CICS client. As part of the processing, the CDTS transaction was called to delete virtual terminal termid. However CICS was unable to attach the CDTS transaction.

netname is the VTAM netname of the CICS client.

System action
The attempt to delete the virtual terminal fails. If this is a CCIN install request, the install continues.

User response
Check to see why the CDTS transaction was unable to start or was hanging.

You may need to increase MAXTASK or the CITS TRANCLASS allocation.

Module:
DFHZCN2
### XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. netname

### Destination

CSCC

**DFHZC3248 E**  
*date* *time* *applid* Transaction CCIN - virtual terminal *termid* VTAM
netname *netname*. The surrogate TCTTE is in use and cannot be deleted.

### Explanation

A CCIN request has been received from a CICS client. There should not be any virtual terminals installed, however, one or more were located. The surrogate TCTTE attached to the virtual terminal is still in use and cannot be deleted. If this was caused by an immediate shut down of the client the transaction abend might not have completed before CICS attempted to delete the client.

*netname* is the VTAM netname of the CICS client.

### System action

Exception trace point AP301C is written. The attempt to delete the virtual terminal is rejected.

If this is a CCIN install request, the install continues.

### User response

Determine why the virtual terminal was installed when CCIN was run.

Either wait for the transaction to finish or PURGE the transaction. Once the transaction completes the virtual terminal will be deleted at the next CCIN install/uninstall.

### Module:

DFHZCN1

### XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. netname

### Destination

CSCC

**DFHZC3400 E**  
*date* *time* *applid* termid *tranid*  
Chain exceeds max chain size.  
sense ((instance)) Module name:  
{DFHZRVS | DFHZRVS | DFHZRVS | DFHZRVS | DFHZRVS | DFHZRVS | DFHZRAC | DFHZRAC}).

### Explanation

If chain assembly (BUILDCHAIN) has been specified in the TCTTE, the chain being assembled does not fit into the IOAREALEN for a maximum chain (IOAREALEN Value 2). The remaining space in the IOAREALEN

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**Note:** The text continues with similar structures and content, detailing error messages and their explanations.
for a maximum chain is smaller than the maximum RECEIVESIZE.

If chain assembly (BUILDCHAIN) has been specified in the TCTTE, but maximum chain value equals zero, either the maximum chain value has been set incorrectly at build time or the value has been overwritten. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**
If a task is attached, it is abnormally terminated with a transaction dump.

**User response**
Ensure that the maximum chain size, generated in CEDA TYPETERM with IOAREALEN (value 2) keyword, is large enough for the maximum chain expected.

**Module:**
DFHZRVS, DFHZRVX, DFHZRAC

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRVS,
   2=DFHZRVS,
   3=DFHZRVS,
   4=DFHZRVS,
   5=DFHZRVS,
   6=DFHZRVX,
   7=DFHZRAC,
   8=DFHZRAC

**Destination**
CSNE

DFHZC3402 E  date time applid termid tranid
Invalid READ with outbound chain control. sense (instance) Module name: (DFHZRVS)

**Explanation**
A DFHTC TYPE=READ request is being processed, although the previously issued DFHTC TYPE=WRITE request did not complete a chain. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**
Any outstanding read or write operation is retried.

**User response**
None.

**Module:**
DFHZNAC

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZNAC

**Destination**
CSNE

DFHZC3402 E  date time applid termid tranid
Invalid READ with outbound chain control. sense (instance) Module name: (DFHZNAC)

**Explanation**
A DFHTC TYPE=READ request is being processed, although the previously issued DFHTC TYPE=WRITE request did not complete a chain. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**
All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.
User response
Correct the application program.

Module:
DFHZRVS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRVS

Destination
CSNE

DFHZC3403 E  date time applid termid tranid
Invalid SEND after LU6.1 session RTIMOUT. sense ((instance) Module name: {DFHZSDX})

Explanation
CICS is configured with HPO=YES. A SEND on an LU6.1 session completed after the request was terminated with an abend AZCT, because of a read timeout condition. The terminal control blocks are not in a fit state to allow the SEND to be processed.

System action
The session is closed.

User response
If CICS has been running at or near MAXTASK consider increasing the MAXTASK value.

Module:
DFHZSDX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSDX

Destination
CSNE

DFHZC3405 E  date time applid termid tranid
Catastrophic bracket error. sense ((instance) Module name: {DFHZNAC})

Explanation
The logical unit detected a failure of CICS to enforce bracket rules. This imbed is inserted in DFHZC xxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The session is terminated.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Use the symptom string, a VTAM trace, and if necessary the dump, to determine the source of the problem.

Module:
DFHZNAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZNAC

Destination
CSNE
DFHZC3406 E  date time applid termid tranid Parameter error. sense ((instance) Module name: {DFHZNAC})

Explanation
The request/response unit (RU) received by the logical unit (LU) contains a control function with invalid parameters. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
All send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. A portion of the TIOA is put to the CSNE log.

User response
Correct the application program.

Module:
DFHZNAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZNAC

Destination
CSNE

DFHZC3407 E  date time applid termid tranid READ command does not carry change direction indicator. sense ((instance) Module name: {DFHZNAC})

Explanation
A request for input (for example, a READBUF command) sent to a logical unit (LU) type 2 (3270 compatibility mode logical unit) must carry the SNA change direction indicator. The LU has received such a request, but the indicator is not set.

Since the setting of the change direction indicator is controlled by terminal control, this message indicates that an internal logic error may have occurred. The error is not necessarily in terminal control, but may be in the logical unit or some other element of the network. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The task and the VTAM session for the logical unit are abnormally terminated.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Identify the request that caused the error, and locate the element of the network responsible.

Module:
DFHZNAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZNAC

Destination
CSNE

DFHZC3408 E  date time applid termid tranid Presentation space integrity lost. sense ((instance) Module name: {DFHZNAC})

Explanation
The contents of data for screen presentation by a logical unit has been altered. This is usually due to operator action. For example, the TEST/NORMAL key may have been used or the 3270 SYS REQ key may have been pressed.

It may also have been caused by factors other than operator action, for example, 3270 regeneration buffer
failure. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
Any outstanding requests are canceled. If a task is attached, it is abnormally terminated with a transaction dump.

User response
Determine reason for failure at the remote terminal.

Module:
DFHZNAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:

   1=DFHZNAC

Destination
CSNE

DFHZC3409 E  date time applid termid tranid
Unexpected negative response received. sense (instance) Module name: (DFHZRVC | DFHZRVC | DFHZRVC)

Explanation
CICS received a negative response to a command for which a negative response would not normally be expected. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The node is placed out of service and the TCTTE, RPL, and action flags are logged to CSNE.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Ensure that the application programs running concurrently do not alter the TCTTE. Check that the SNA flows on the session are valid and that the logical unit is not violating SNA protocols.

Module:
DFHZRAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:

   1=DFHZRAC

Destination
CSNE

DFHZC3410 E  date time applid termid tranid
Invalid input when LU status expected. sense (instance) Module name: (DFHZRVC | DFHZRVC | DFHZRVC)

Explanation
Input (other than a logical unit status message) was received after a request was rejected with a system sense code indicating a possibly rectifiable error condition at the terminal node: for example, Intervention Required. The subsequent LU status message indicates that the error situation has now been corrected, or that the request is permanently not executable. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
If a task is attached, it is abnormally terminated with a transaction dump.

User response
Conform to SNA protocol by ensuring that the next transmission is an LUSTATUS message with a system
sense for either Resource Available (0001) or Function Not Executable (081C).

Module: DFHZRVX

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:

   1=DFHZRVX, 
   2=DFHZRVX, 
   3=DFHZRVX

**Destination**

CSNE

**DFHZC3412 E**

| date   | time   | applid | termid | tranid | Intervention required on secondary resource. sense 
|--------|--------|--------|--------|--------| (instance) Module name: (DFHZZNAC) |

**Explanation**

A terminal resource required to complete a request is temporarily unavailable. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

The system waits for a logical unit status message and, when this is received, takes appropriate system action.

**User response**

Correct the problem that relates to the device.

Module: DFHZZNAC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:

1=DFHZZNAC

**Destination**
CSNE

**DFHZE3413 E**  
\[\text{date time applid termid tranid}\]  
Logical Unit busy. sense (\{instance\})  
Module name: \{DFHZNAC\}

**Explanation**
The logical unit has rejected a request because its resources are busy (for example, it is communicating with the system services control point (SSCP)), and thus is unable to process the request. This imbed is inserted in DFHZC \text{xxxx} messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**
The system waits for a logical unit status message and then takes appropriate action.

**User response**
None.

**Module:**  
DFHZZNAC

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. termid  
5. tranid  
6. sense  
7. instance  
8. Value chosen from the following options:

1=DFHZZNAC

**Destination**
CSNE

**DFHZE3414 E**  
\[\text{date time applid termid tranid}\]  
Request not executable.  
Secondary resource unavailable. sense (\{instance\})  
Module name: \{DFHZNAC\}

**Explanation**
The secondary resource of a logical unit is permanently unavailable to complete a request. For a 3270-compatible LU, this means that a printer was not available for a PRINT request. This imbed is inserted in DFHZC \text{xxxx} messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**
All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

**User response**
Determine the reason why the resource is not available at the remote terminal.

**Module:**  
DFHZZNAC

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. termid  
5. tranid  
6. sense  
7. instance  
8. Value chosen from the following options:

1=DFHZZNAC

**Destination**
CSNE

**DFHZE3415 E**  
\[\text{date time applid termid tranid}\]  
No data available. sense (\{instance\})  
Module name: \{DFHZNAC\}

**Explanation**
A receive request has been rejected by the logical unit because it has no data to send for one of the following reasons:

- The device is not capable of input (for instance, it is a printer)
- The logical unit is not capable of sending data at the time. For example, a requested 3790 data set is not available at the time.
This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**
The receive request is halted. If a task is attached, it is abnormally terminated with a transaction dump.

**User response**
Verify that the request was issued to the correct device and that the device is capable of data transmission.

**Module:**
DFHZNAC

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSCX

**Destination**
CSNE

DFHZC3416 E  
**Explanation**
The requested logon was to be rejected, but the attempt to send a negative response was rejected by VTAM. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**
No further attempts are made to communicate with the invalid node.

**User response**
Inspect the CSNE, CSMT and CSTL logs for an indication of a VTAM storage problem or error message. Determine whether the node was invalid. If it was valid, update the CICS resource definition for that node.

**Module:**
DFHZNAC

DFHZC3417 E  
**Explanation**
A request for a sync point to be taken was ignored. COMMIT or ABORT has not been issued. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**
If a task is attached, it is abnormally terminated with a transaction dump.

**User response**
To determine the cause of the problem, inspect the CSNE, CSMT and CSTL logs for further diagnostic information. Also inspect transaction tranid.

**Module:**
DFHZSDR
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSDR

Destination

CSNE

DFHZC3418 E  date time applid termid tranid
System generation error. The netname logon request was rejected. sense ((instance) Module name: {DFHZSCX | DFHZBLX | DFHZLGX})

Explanation
A logon request was rejected because the TCTTE for the ISC session had been generated with an incompatible SESSIONTYPE. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The request is rejected.

User response
Change the TCTTE generation to specify a secondary logical unit at one end of the connection, and a primary logical unit at the other end.

A primary logical unit should have SESSIONTYPE=SEND or SESSIONTYPE=FASTSEND, and a secondary logical unit should have SESSIONTYPE=RECEIVE or SESSIONTYPE=FASTRECV.

Module:
DFHZSCX, DFHZLGX, DFHZBLX

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. netname
7. sense
8. instance
9. Value chosen from the following options:
   1=DFHZSCX,
   2=DFHZBLX,
   3=DFHZLGX

Destination

CSNE

DFHZC3419 E  date time applid termid tranid
Session failure. The bind parameter for node netname is unacceptable. sense ((instance) Module name: {DFHZSCX | DFHZBLX | DFHZLGX})

Explanation
A connection request was rejected because the characteristics specified for the connecting system were unacceptable.

Possible reasons for the rejection are:
- For a MEMBER name connection, the network identifier (NETID) passed to CICS is different from that already stored in the system entry (instance 39).
- For a MEMBER name connection, the GRNAME specified in the sessions bind - UDSS04 - is different from that already stored in the system entry (instance 40).
- For a GR name connection, the network identifier (NETID) passed to CICS is different from that already stored in the connections system entry (instance 41).

This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.
System action
The request is rejected. The bind parameter is printed on the CSNE log.

User response
Determine whether the connecting system has specified its characteristics correctly. If it has not, correct the requesting system.

Module:
DFHZSCX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. netname
7. sense
8. instance
9. Value chosen from the following options:
   1= ,
   2=DFHZBLX,
   3=DFHZSCX,
   4=DFHZSCX,
   5=DFHZBLX,
   6=DFHZBLX,
   7=DFHZSCX,
   8=DFHZBLX,
   9=DFHZBLX,
  10=DFHZBLX,
  11=DFHZBLX,
  12=DFHZBLX,
  13=DFHZBLX,
  14=DFHZBLX,
  15=DFHZBLX,
  16=DFHZBLX,
  17=DFHZBLX,
  18=DFHZBLX,
  19=DFHZSCX,
  20=DFHZBLX,
  21=DFHZBLX,
  22=DFHZBLX,
  23=DFHZBLX,
  24=DFHZBLX,
  25=DFHZBLX,
  26=DFHZBLX,
  27=DFHZBLX,
  28=DFHZBLX,
  29=DFHZSCX,
  30=DFHZBLX,
  31=DFHZBLX,
  32=DFHZBLX,
  33=DFHZBLX,
  34=DFHZBLX,
  35=DFHZBLX,
  36=DFHZBLX,
  37=DFHZBLX,
  38=DFHZBLX,
  39=DFHZBLX,
  40=DFHZBLX,
  41=DFHZBLX

Destination
CSNE

DFHZC3420 E  date time applid termid tranid
Session connection error. Node netname is out of service.
sense ((instance) Module name: {DFHZOPN | DFHZBLX | DFHZBLX})

Explanation
A logon request was rejected because the TCTTE is out of service. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The request is rejected.

User response
Place the terminal in service by using the main terminal program and reissuing the connection request.
Module:
DFHZSCX, DFHZOPN, DFHZBLX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. netname
7. sense
8. instance
9. Value chosen from the following options:
   1=DFHZOPN,
   2=DFHZBLX,
   3=DFHZBLX

Destination
CSNE

DFHZC3421 E date time applid termid tranid
Session shutdown request received. Node netname is receiving orderly shutdown.
sense ((instance) Module name: {DFHZASX})

Explanation
A shutdown request was received for the system. An orderly termination procedure has begun. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The request is terminated.

User response
Determine the cause of the problem by inspecting the VTAM logs. If the problem is due to a shortage of storage or another temporary error, reissue the request when the system is less heavily loaded.

Module:
DFHZNSP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. netname
7. sense
8. instance
9. Value chosen from the following options:
   1=DFHZNSP,
**Destination**

CSNE

DFHZC3423I  

(date time applid termid tranid)

FM function not supported. A function requested in an FMD RU is not supported by the receiver.

**Explanation**

CICS has received a negative response (VTAM sense code 0826). The receiver does not support the function requested by the sender. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

All outstanding SENDs and RECEIVEs are purged. If a task is attached, it is abnormally terminated with a transaction dump.

**User response**

Investigate the reason for issuing a request for a function that the receiver does not support.

**Module:**

DFHZNAC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZNSP, 2=DFHZNSP, 3=DFHZNSP

**Destination**

CSNE

 DFHZC3424E  

(date time applid termid tranid)

Session failure. Session terminated immediately. sense

**Explanation**

Communication with a node was interrupted during a session because a session outage was detected, or because a VTAM VARY INACT command was issued. Error messages produced for the same session after this message may be caused by the session failure and may not be the reason for it. If this is the case, they can be ignored. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

The session is canceled. The session may be recovered later by VTAM. See also messages DFHZC2409 and DFHZC2410.

**User response**

Check if the failure was caused by an operator-issued VTAM VARY INACT. If this is not the case, use the sense data and any associated messages to investigate the reason for the failure.

**Module:**

DFHZNSP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZNSP, 2=DFHZNSP, 3=DFHZNSP

**Destination**

CSNE

 DFHZC3426E  

(date time applid termid tranid)

Resource unknown. sense

((instance) Module name: {DFHZNSP | DFHZNSP | DFHZNSP})
Explanation
During intersystem connection, no matching TCTTE could be found. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The request is terminated.

User response
Ensure that the name of the requested TCTTE is correctly specified in the requesting system.

Module:
DFHZNAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZNAC

Destination
CSNE

DFHZC3429 E  date time applid termid tranid
Invalid parameter in bind area. sense ((instance) Module name: (DFHZNAC))

Explanation
CICS did not go through a resynchronization process that was expected to occur by the other LU. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
Processing continues.

User response
Check whether this resynchronization mismatch is acceptable.

Module:
DFHZRSY, DFHZSYX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance

8. Value chosen from the following options:

   1=DFHZRSY,
   2=DFHZRSY,
   3=DFHZRSY,
   4=DFHZRSY,
   5=DFHZSYX

Destination

CSNE

DFHJC3433 E  date time applid termid tranid
FMH7 was received on ISC
session. Sense code is : xxxxxxxx
{ Error log data is : | No error
log data received. | No error
log data available. } xxxxxxxx
sense ( (instance) Module name:
{DFHZRVX | DFHZRC | DFHZRC |
DFHZERH})

Explanation

The transaction is communicating with a logical unit
(LU) type LU6.1 or LU6.2.

The logical unit sent an FMH7 which may carry error
log data. If error log data is included, then the text
is inserted in this message. This imbed is inserted
in DFHJC xxx messages with sense inserts. For the
meaning of sense, see message DFHJC2400.

System action

The action taken depends upon the sense code.

User response

If the receiving transaction is designed to handle this
situation, no action is necessary. However, if this is not
the case, use the sense code and any error log data
to determine why the connected logical unit sent the
FMH7.

If the connected LU is another CICS system, the error
log data is a CICS message.

If the connected LU is not a CICS system, see that
product's documentation for details of error log data.
Some products permit the user to define the contents
of error log data.

Module:
DFHZRVX, DFHZRC, DFHZERH

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. xxxxxxxx

7. Value chosen from the following options:

   1= Error log data is :
   2= No error log data received.
   3= No error log data available.

8. xxxxxxxx
9. sense
10. instance

11. Value chosen from the following options:

   1=DFHZRVX,
   2=DFHZRC,
   3=DFHZRC,
   4=DFHZERH

Destination

CSNE

DFHJC3434 E  date time applid termid tranid
Unbind received while session still
active. sense ( (instance) Module
name: {DFHZSCX | DFHZSCX |
DFHZSCX | DFHZSCX | DFHZSCX |
DFHZSCX | DFHZSCX | DFHZSCX | DFHZSCX})

Explanation

One side of the intersystem link (secondary) received
an unbind command without normal termination
protocol being observed. This means an abnormal
termination of the session was performed, possibly
caused by the other side of the intersystem link
abnormally terminating. This imbed is inserted in
DFHJC xxx messages with sense inserts. For the
meaning of sense, see message DFHJC2400.

System action

The session is terminated.
User response
Determine the cause of the termination by using CICS Trace and the diagnostic information available on the CSNE log. Try to reestablish the session.

Module: DFHZSCX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSCX,
   2=DFHZSCX,
   3=DFHZSCX,
   4=DFHZSCX,
   5=DFHZSCX,
   6=DFHZSCX,
   7=DFHZSCX,
   8=DFHZSCX,
   9=DFHZSCX,
   10=DFHZSCX

Destination
CSNE

DFHZC3436 E date time applid termid tranid
End user not authorized. sense ((instance) Module name: {DFHZNAC})

Explanation
A sense code has been received specifying that an unauthorized request was made to the remote node. The request was rejected. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The session is terminated.

User response
Determine why the end user is not authorized to perform the request.

Module:
DFHZNAC

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. termid  
5. tranid  
6. sense  
7. instance  
8. Value chosen from the following options:

   1. =DFHZNAC

**Destination**

CSNE

**Explanation**

After an error has been processed by DFHZNAC, certain actions may be taken to correct the error. This message indicates the actions that were set. The actions taken can differ from the actions set, depending on the type and state of the node at the time of the error.

**System action**

**Action**

**Effect**

**ABRECV**

Cancel receive.

**ABSEND**

Cancel send.

**ABTASK**

Abend task

**CLSDST**

Close session.

**GMM**

Send good morning message.

**OUTSRV**

Place session out of service.

CREATE  
Allow ATI to acquire the session if required.

NOCREATE  
Do not allow ATI to acquire the session.

NEG RESP  
Send an exception response.

SIMLOGON  
Generate SIMLOGON request for the session.

CNTASK  
Cancel the task.

SYSDUMP  
Take a system dump.

PURGEBMS  
Purge any BMS pages.

**User response**

The user action depends on what action has been taken by the system. This is indicated by action in the message text.

**Module:**

DFHZNAC

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. termid  
5. tranid  
6. netname  
7. action  
8. instance  
9. Value chosen from the following options:

   1. =DFHZNAC

**Destination**

CSNE

**Explanation**

Device powered off.

**Module:**

DFHZNAC
**Explanation**

A request has been rejected by the logical unit because the associated device has been powered off. This message may be caused by operator action. For example, the TEST/NORMAL key may have been used. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

The system waits for a logical unit status message and, when the message has been received, takes appropriate system action.

**User response**

Correct the problem that relates to the device.

For the meaning of the sense codes, refer to the explanatory paragraph in message DFHZC2461.

**Module:**

DFHZNAC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1. DFHZNAC

**Destination**

CSNE

**Explanation**

A negative response has been received to the START DATA TRAFFIC (SDT) command. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.
DFHZEMW

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. termid  
5. tranid  
6. sense  
7. instance  
8. Value chosen from the following options:

   1. DFHZEMW,  
   2. DFHZEMW

**Destination**

CSNE

**DFHZC3441 I**  
*date time applid* Orderly termination of VTAM sessions requested. *sense* (*instance*)  
*Module name: DFHZSHU, DFHZTPX DDFHZSHU*

**Explanation**

A request for an orderly close of VTAM sessions and subsequent close of CICS VTAM ACB has been received. The request may have been initiated by the CICS main terminal command or by the VTAM network closing down. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

All nodes are quiesced and each session is closed as it becomes inactive. When all sessions have been closed, the ACB is closed.

**User response**

None.

**Module:**  
DFHZSHU

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. sense  
5. instance  
6. Value chosen from the following options:

   1. DFHZSHU
VTAM has been cancelled or the ACB has been forceclosed. VTAM sessions terminated.

**Explanation**

VTAM has been cancelled or force closed by the CICS/VTAM operator. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

CICS will close its ACB. All transactions running on VTAM sessions are abnormally terminated.

**User response**

None.

**Module:**
DFHZSHU, DFHZTPX, DFHZSYX

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. sense
5. instance
6. Value chosen from the following options:
   1=DFHZSHU,
   3=DFHZSYX,
   4=DFHZTPX,
   5=DFHZSHU

---

CICS has detected that more than 32k of data has been transmitted while receiving data from terminal "termid". This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**Explanation**

CICS terminates the session and places the terminal out of service. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

To determine the cause of this error,

- Check for a terminal malfunction, for example the device may be sending the same data repeatedly, or
- Check for a network problem.

**Module:**
DFHZRVS, DFHZRAC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRVS,
   2=DFHZRAC

---

CICS detected a state error.

**Explanation**

CICS has detected a state error. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

CICS terminates the session and places the terminal out of service. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

To determine the cause of this error,

- Check for a terminal malfunction, for example the device may be sending the same data repeatedly, or
- Check for a network problem.

**Module:**
DFHZNAC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRVS,
   2=DFHZRAC
   3=DFHZSYX,
   4=DFHZTPX,
   5=DFHZSHU

---
Explanation
CICS has received a state error negative response (VTAM sense code 20yy). This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service.

User response
Determine the reason for the error before restarting the session.

Module:
DFHZNAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:

   1 = DFHZNAC

Destination
CSNE

DFHZC3446 E  date time applid termid tranid Request error. sense (instance) Module name: {DFHZNAC}

Explanation
CICS has received a request reject negative response (VTAM sense code 08yy) for which it does not recognize the minor code yy. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service.

User response
Determine the reason for the error.

Module:
DFHZNAC

DFHZC3447 E  date time applid termid tranid Request reject error. sense (instance) Module name: {DFHZNAC}
XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZNAC

Destination
CSNE
DFHZC3448 E  date time applid termid tranid
Security identification error.
sense ((instance) Module name: {DFHZNAC})

Explanation
CICS has received a negative response to a request to access a resource because it was not authorized. If it was an OPNDST (BIND) request, CICS did not send the authorization sequence expected by a logical unit. CICS does not support the security feature in the bind. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The logical unit is placed out of service and the session is closed.

User response
CICS does not support the security feature in the bind. Modify the authorization parameters in the remote logical unit so that it does not require authorization to initiate a session.

Module: DFHZNAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid

Destination
CSNE
DFHZC3449 I  date time applid termid tranid
Leaving unattended mode.
sense ((instance) Module name: {DFHZNAC})

Explanation
CICS has received a status message from a logical unit indicating that the terminal is now attended. Note that this is the default mode of operation. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The mode of operation bit TCTEMOPU is reset in the TCTTE.

User response
For logical units that can operate in unattended mode, the application programmer should test the mode of operation before starting a conversational sequence with the terminal operator. If the bit is on, no operator action can be expected.

For command level, use the EXEC CICS ASSIGN UNATTEND (data area) command to obtain the value of TCTEMOPU.

Module: DFHZNAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
DFHZC3450 I  date time applid termid tranid
Entering unattended mode.
sense((instance)) Module name: {DFHZSNAC}

Explanation
CICS has received a status message from a logical unit indicating that the terminal is no longer attended. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The mode of operation bit TCTEMOPU is set in the TCTTE.

User response
For logical units that can operate in unattended mode, the application programmer should test the mode of operation before starting a conversational sequence with the terminal operator. If the bit is on, no operator action can be expected.

For command level, use the EXEC CICS ASSIGN UNATTEND (data area) command to obtain the value of TCTEMOPU.

Module: DFHZSNAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSNAC

DFHZC3451 I  date time applid termid tranid
Currently no data to send.
sense((instance)) Module name: {DFHZSNAC}

Explanation
Following the issue of a READ command to a logical unit, or the completion of a transaction associated with the logical unit, CICS has received a status message from the logical unit indicating that it currently has no data to send. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
If a data interchange (DFHDI) receive request is outstanding, it will complete with DSSTAT condition and a response code X’15’.

If no task is active and no work is outstanding for the terminal, the soft CLSDEST action flag is set and DFHZNEP is called. Unless it is reset by DFHZNEP, the session is terminated.

User response
Ensure that no more receive requests are issued to the terminal.

Module: DFHZSNAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSNAC

Destination
CSNE
**Explanation**

CICS has received a SIGNAL command from a logical unit. The SIGNAL codes received with the SIGNAL command are made available to the DFHZNEP user program.

If a task is active, the SIGNAL condition is raised on return to the application program. This message is produced only when SIGNAL codes are passed to the node abnormal condition program (DFHZNAC). CICS does this for Type 4 logical units only. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

If the SIGNAL code is 0001 0000 (request change direction), any further output request will cause the IGREQCD condition to be raised. All SIGNAL codes will cause the SIGNAL condition to be raised.

**User response**

For logical units for which CICS enforces SIGNAL request change direction, if the code is 0001 0000, issue a receive request or terminate transaction tranid.

If the code is NOT 0001 0000, terminate transaction tranid and refer to the z/OS Communications Server: SNA Programming manual for further guidance.

**Module:**

DFHZASX

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. xxxx
7. sense
8. instance
9. Value chosen from the following options:
   1. DFHZASX
   2. DFHZASX

**Destination**

CSNE

**DFHZC3453 E**

<table>
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<th>time</th>
<th>applid</th>
<th>termid</th>
<th>tranid</th>
</tr>
</thead>
</table>

**Explanation**

CICS has received a request header (RH) usage error negative response for which it does not recognize the minor code yy. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service.

**User response**

None.

**Module:**

DFHZNAC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1. DFHZNAC

**Destination**

CSNE

**DFHZC3454 E**

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<th>time</th>
<th>applid</th>
<th>termid</th>
<th>tranid</th>
</tr>
</thead>
</table>

Session initiation failure. Bind response from node netname is unacceptable. sense ((instance)

Explanation
A remote secondary's response to a negotiable bind contained unacceptable parameters. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
Session initialization fails. The sent and received bind parameters are printed on the CSNE log.

User response
Look at the parameters printed on the CSNE log. Ensure that the remote system has correctly specified its characteristics. If there is an invalid format, change it to LEN PSQ LEN SSQ.

Module:
DFHZOPX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. netname
7. sense
8. instance
9. Value chosen from the following options:
   1=DFHZOPX,
   2=DFHZOPX,
   3=DFHZOPX,
   4=DFHZOPX,
   5=DFHZOPX,
   6=DFHZOPX,
   7=DFHZOPX,
   8=DFHZOPX,
   9=DFHZOPX,
   10=DFHZOPX,
   11=DFHZOPX,
   12=DFHZOPX,
   13=DFHZOPX,
   14=DFHZOPX,
   15=DFHZOPX,
   16=DFHZOPX,
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   30=DFHZOPX,
   31=DFHZOPX,
   32=DFHZOPX,
   33=DFHZOPX,
   34=DFHZOPX,
   35=DFHZOPX,
   36=DFHZOPX,
   37=DFHZOPX,
   38=DFHZOPX,
   39=DFHZOPX,
   40=DFHZOPX,
   41=DFHZOPX,
   42=DFHZOPX,
   43=DFHZOPX,
   44=DFHZOPX,
   45=DFHZOPX

Destination
CSNE

DFHZC3455 E    date time applid termid tranid
Session initiation failure. Bind
response from node netname contains an invalid session qualifier pair. sense ((instance) Module name: {DFHZOPX | DFHZOPX | DFHZOPX})

Explanation
A remote secondary's response to a negotiable bind contained an invalid session qualifier pair in the user data field. Either it had an invalid format, or the primary SQ had been altered.

For the meaning of sense, see message DFHZC2400.

System action
Transaction tranid is abnormally terminated with a transaction dump.

User response
Load the necessary outboard formats.

Module:
DFHZZNAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. netname
7. sense
8. instance
9. Value chosen from the following options:
   1=DFHZOPX,
   2=DFHZOPX,
   3=DFHZOPX

Destination
CSNE

DFHZC3456 E date time applid termid tranid
Requested outboard format not loaded. sense ((instance) Module name: {DFHZZNAC})

Explanation
An outboard format has been referenced, but the requested format is not loaded on this logical unit. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense , see message DFHZC2400.

System action
Transaction tranid is abnormally terminated with a transaction dump.

User response
Load the requested outboard format.

Module:
DFHZZNAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZNAC

**Destination**

**CSNE**

**DFHZN3459 E**

*Unsupported data stream.*

**Explanation**

The data stream sent to the device contains control data for functions that the device does not support. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

Transaction tranid is abnormally terminated.

**User response**

Either ensure that transaction tranid is not run against the terminal, or change the terminal to one that supports the data stream.

**Module:**

DFHZNAC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZNAC

2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZNAC

**Destination**

CSNE

**DFHZN3458 E**

*Requested format group not loaded.*

**Explanation**

An outbound format group has been referenced, but that format group is not loaded on this logical unit. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

Transaction tranid is abnormally terminated with a transaction dump.

**User response**

Load the required format group.

**Module:**

DFHZNAC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZNAC

**Destination**

CSNE

**DFHZN3460 E**

*Requested character set not present.*

**Explanation**

The Referenced Logical Character Set Identifier (LCID) specified in the define alternate character set is not known. This imbed is inserted in DFHZC xxxx
messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**
Transaction tranid is abnormally terminated with a transaction dump.

**User response**
Ensure that the character set referenced by the LCID is loaded.

**Module:**
DFHZNAC

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZOPX,
   2=DFHZOPX,
   3=DFHZEV1,
   4=DFHZEV2

**Destination**
CSNE

**DFHZC3462 I**

<table>
<thead>
<tr>
<th>date</th>
<th>time</th>
<th>applid</th>
<th>termid</th>
<th>tranid</th>
<th>sense</th>
<th>instance</th>
</tr>
</thead>
</table>

Node netname session terminated.

sense ((instance) Module name: {DFHZCLS | DFHZCLS})

**Explanation**
A session with node netname has been closed. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**
Processing continues.

**User response**
None.

**Module:**
DFHZCLS

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. termid
5. tranid
6. netname
7. sense

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8. **instance**
9. Value chosen from the following options:
   
   1=DFHZCLS,
   2=DFHZCLS

---

**Destination**

CSNE

**DFHZC3463 I**  
*date time applid VTAM ACB opened. VTAM Return Code = X'rc'. Time = time sense ((instance) Module name: {DFHZOPA})*

**Explanation**

The main terminal operator issued a CEMT or CSMT command to open the VTAM ACB. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

Processing continues.

**User response**

This depends on the return code:

- If the value is zero, VTAM sessions can be enabled.
- If the value is 1, this is not a VTAM return code. It is inserted by DFHZOPA if a VTAM OPEN is received when the ACB is already open.
- If the return code is some other value, the operation has failed. See the section on z/OS Communications Server: IP and SNA Codes in the z/OS Communications Server: SNA Programming manual to determine why the VTAM ACB was not opened.

**Module:**

DFHZOPA

---

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *X'rc'*
5. *time*
6. *sense*
7. *instance*
8. Value chosen from the following options:
   
   1=DFHZOPA

---

**Destination**

CSNE

**DFHZC3464 I**  
*date time applid termid tranid Node netname released by MT Operator/LU Services Manager. sense ((instance) Module name: {DFHZSTU})*

**Explanation**

The main terminal operator issued a CEMT command to release the logical unit (LU). This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

The LU is closed. Any task associated with the LU is terminated either abnormally (if the main terminal operator so desired) or normally.

**User response**

None.

**Module:**

DFHZSTU

---

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *termid*
5. *tranid*
6. *netname*
7. *sense*
8. *instance*
9. Value chosen from the following options:
   
   1=DFHZSTU

---

**Destination**

CSNE

**DFHZC3465 E**  
*date time applid termid tranid Unexpected response received. sense ((instance) Module name: {DFHZRLP | DFHZRVX | DFHZRVX | DFHZRVX | DFHZRVX | DFHZRAC |})*
Explanation

CICS received a positive response in one of the following circumstances:

• The response was to data sent with exception response
• The response was to a command sent with exception response
• The response was to a send to which a response has already been sent.

This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action

All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The node is placed out of service and the TCTTE, RPL, and action flags are logged to CSNE.

User response

Ensure that the application programs running concurrently do not alter the TCTTE. Check that the SNA flows on the session are valid and that the logical unit is not violating SNA protocols.

Module:
DFHZRVX, DFHZRAC, DFHZRLP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRLP,
   2=DFHZRVX,
   3=DFHZRVX,
   4=DFHZRVX,
   5=DFHZRVX,
   6=DFHZRAC,
   7=DFHZRAC,
   8=DFHZRAC,
   9=DFHZRAC,
   10=DFHZRAC,
   11=DFHZRAC,
   12=DFHZRAC

Destination

CSNE

DFHZC3466 E  date time applid termid tranid Out of session during session start up .sense (instance) Module name: (DFHZSEX | DFHZSKR)

Explanation

A CICS main terminal command was used to put terminal termid out of service while session startup was taking place. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action

The session is terminated and the TCTTE for terminal termid is left out of service.

User response

To establish the session for use, the main terminal operator should issue the command CEMT SET TER (XXXX) INS ACQ. This puts the terminal back in service, and start up the session for use.

Module:
DFHZSEX, DFHZSKR

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSEX,
   2=DFHZSKR

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Destination
CSNE

DFHZC3467 E  
جمهور: Permanent insufficient resource.
sense ((instance) Module name: {DFHZNAC})

Explanation
The PS buffer resource required by load PS is not available. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The session is canceled immediately, and any transaction executing on that session is also abnormally terminated and a transaction dump is produced.

User response
Check the other end of the session to determine why the clear command was sent. It may be due to a lack of buffers in the VTAM region attached to the other session.

Module:
DFHZSCX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSCX

Destination
CSNE

DFHZC3469 E  
جمهور: Session re-establishment being awaited. sense ((instance) Module name: {DFHZSCX})

Explanation
The secondary LU is being passed to a new application program via CLSDST(PASS). This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
If a task is attached, it is abnormally terminated with a transaction dump.
User response
None.

Module:
DFHZSCX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSCX

Destination
CSNE

DFHZC3470 E  date time applid termid tranid LU session failure caused by: {restart/takeover. LU does not support ACTLU(ERP).} {route extension to cluster failed.} {LU abend, discontact, DACTPU or ANS.}
   sense (((instance) Module name: {DFHZSCX | DFHZSCX | DFHZSCX | DFHZSCX})

Explanation
An LU session has failed because an UNBIND command has been received.

Possible reasons are:
• Restart or takeover. LU does not support ACTLU(ERP)
• Route extension to cluster failed
• Session failed due to LU abend, discontact, DACTPU, or ANS.

This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
If a task is attached, it is abnormally terminated with a transaction dump.

User response
Use the symptom string, a VTAM trace, and the dump, if available, to determine the source of the UNBIND before attempting to reestablish the session.

Module:
DFHZSCX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. Value chosen from the following options:
   1=restart/takeover. LU does not support ACTLU(ERP),
   2=route extension to cluster failed,
   3=LU abend, discontact, DACTPU or ANS.
7. sense
8. instance
9. Value chosen from the following options:
   1=DFHZSCX,
   2=DFHZSCX,
   3=DFHZSCX,
   4=DFHZSCX

Destination
CSNE

DFHZC3471 E  date time applid termid tranid Virtual route inoperative.
   sense (((instance) Module name: {DFHZSCX})

Explanation
The session has been broken because the virtual route it was using has failed. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
If a task is attached, it is abnormally terminated with a transaction dump. For APPC sessions, CICS attempts to reestablish the failing session.
User response
None.

Module:
DFHZSCX

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSYX

Destination
CSNE

DFHZC3472 E  date time applid termid tranid Device end received.
   sense ((instance) Module name: {DFHZSYX})

Explanation
Device end was received from a non-SNA VTAM supported 3270. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The good morning message is displayed, unless the terminal is associated with an active task.

User response
None.

Module:
DFHZSYX

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSCX

Destination
CSNE

DFHZC3475 E  date time applid termid tranid Unrecoverable LU failure.

Explanation
The session has had to be deactivated because of a forced deactivation of the virtual route being used. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
If a task is attached, it is abnormally terminated with a transaction dump. Afterwards, CICS attempts to reestablish the session.

User response
Determine the cause of the session failure and attempt to reestablish the session.

Module:
DFHZSCX

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSCX
Explanation
The session has had to be deactivated because of an abnormal termination of an LU. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
If a task is attached, it is abnormally terminated with a transaction dump. CICS attempts to reinitiate the session.

User response
None.

Module:
DFHZSCX

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSCX

Destination
CSNE

DFHZC3477 E date time applid termid tranid Cleanup received. sense ((instance) Module name: {DFHZSCX})

Explanation
The sending LU has reset its half-session before receiving a response from CICS; recovery of the session may be possible. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
If a task is attached, it is abnormally terminated with a transaction dump. CICS attempts to reinitiate the session.

User response
None.

Module:
DFHZSCX
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSCX

Destination

CSNE

DFHZC3479 E  date time applid termid tranid
Unbind received after session failure detected. sense ((instance)
Module name: {DFHZSCX | DFHZSCX})

Explanation

The logical unit in session with CICS has detected a session failure, and has unbound the session with CICS. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action

The session is terminated, and the transaction using it is abnormally terminated or informed by return code.

User response

Determine the reason for the session failure by using Trace. Check the CSNE log for a second error message associated with DFHZC3479. This message should be located immediately after DFHZC3479.

Refer to the sense code shown in the associated message.

Module:
DFHZSCX

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSIM,
   2=DFHZBLX,
   3=DFHZLGX

Explanation

A session initiation has been attempted to an APPC system or terminal. The session cannot be established because the CICS ISC nucleus modules are required. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action

The session initiation request is rejected.

User response

If APPC connections are to be used, ensure that ISC=NO is not used for CICS initialization.

Module:
DFHZSCX, DFHZLGX, DFHZSIM

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSIM,
   2=DFHZBLX,
   3=DFHZLGX
3270 Data Stream protocol error.

**Explanation**

CICS has received zero length data from a device defined to CICS as a 3270 terminal. This violates the protocol for 3270 devices. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

CICS cancels the session and any transactions attached to the terminal.

**User response**

Determine why zero length data was received from a device purporting to be a 3270 terminal, and correct the error.

The most likely reasons are an incorrect resource definition for the terminal, or incorrect programming of a terminal that is simulating 3270 protocols.

**Module:**

DFHZRAC, DFHZRVX

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZLGX,
   2=DFHZLGX,
   3=DFHZBLX,
   4=DFHZSCX

**Destination**

CSNE

DFHZC3481 E  

**Explanation**

A node nodeid, unknown to CICS, attempted to logon. CICS could not obtain sufficient storage to complete autoinstall processing. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

CICS rejects the logon request.

**User response**

Retry the logon.

**Module:**

DFHZLGX, DFHZSCX, DFHZBLX

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tranid
5. nodeid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZLGX,
   2=DFHZLGX,
   3=DFHZBLX,
   4=DFHZSCX

**Destination**

CSNE

DFHZC3484 I  

**Explanation**

By successful execution of an ISSUE PASS command, a VTAM logical unit whose network name is netname has been passed to the VTAM application whose VTAM APPLID (netname) is applid. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.
System action
CICS processing continues.

User response
None.

Module:
DFHZNSP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. applid
6. xx
7. yy
8. sense
9. instance
10. Value chosen from the following options:
    1=DFHZNSP

Explanation
In executing an ISSUE PASS command, CICS attempted to pass control of a VTAM logical unit whose network name is netname, to a system whose VTAM APPLID is applid. VTAM has notified CICS of an error at applid. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
CICS saves the status byte xx and reason byte yy passed by VTAM in the Notify Request Unit. CICS processing continues.

User response
The reason for the error can be determined by investigating the status byte xx and reason byte yy given in the message. These bytes are documented in the NSEXIT routine section of z/OS Communications Server: SNA Programming (SC23-0115).
5. applid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSYX,
   2=DFHZSYX

Destination
CSNE

DFHZN3487 E date time applid netname Unable to PASS to node nodeid. CLSDST PASS is not authorized. sense ((instance) Module name: {DFHZLEX | DFHZLEX})

Explanation
In executing an ISSUE PASS command, CICS attempted to pass control of a VTAM logical unit whose network name is netname. VTAM has notified CICS that CICS is not authorized to use this function. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense , see message DFHZC2400.

System action
CICS continues.

CICS may or may not be able to display the applid it was being passed. If CICS can display this applid, it appears in the text of this message.

User response
To use the ISSUE PASS command, you must code AUTH=PASS on the VTAM definition of the CICS APPL, then reactivate the APPL.

Module:
DFHZLEXY

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. nodeid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZLEX,
   2=DFHZLEX

Destination
CSNE

DFHZN3488 E date time applid netname
ISC session connection failure. sense ((instance) Module name: {DFHZSIX})

Explanation
A simlogon request to an ISC system was rejected because the netname was not known. CICS has now issued the INQUIRE OPTCD=USERVAR command in order to determine if netname had been defined as a user variable. That INQUIRE command has been rejected because the user variable does not exist in the USERVAR table. This may be because the USERVAR is either not known or invalid, or the MODIFY USERVAR command has not been issued to define the user variable. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense , see message DFHZC2400.

System action
CLSDST is issued to reset the session.

User response
Determine if the netname has been defined correctly to CICS. If the netname is to be used as a user variable then determine why the MODIFY USERVAR command has not been issued to set it.

Module:
DFHZSIX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. sense
6. instance
7. Value chosen from the following options:
   1=DFHZSIX

Destination
CSNE
DFHZC3489 E  date time applid netname The LU is inhibited for sessions.
sense ((instance) Module name: {DFHZSYX})

Explanation
CICS has attempted to acquire a session to the logical unit (LU), but VTAM has rejected the request because the LU is inhibited for sessions.

The partner LU could be inhibited because it has issued the VTAM macro SETLOGON OPTCD=QUIESCE. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The request is rejected and the session is set into NOINTLOG state to prevent further requests being issued.

User response
After the partner LU has enabled itself, it can initiate the session request to CICS. Alternatively, the CICS main terminal operator could reset the NOINTLOG state and allow CICS to initiate the session request.

Module:
DFHZSYX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. sense
6. instance
7. Value chosen from the following options:
   1=DFHZSYX

Destination
CSNE

DFHZC3490 E  date time applid netname Unable to pass to node nodeid.
sense ((instance) Module name: {DFHZLEX, DFHZSYX, DFHZCLX})

Explanation
In executing an ISSUE PASS command, CICS attempted to pass control of the named VTAM logical unit to a system identified as node nodeid. VTAM has notified CICS that this request has failed.

This may occur if the LUNAME specified is a generic resource name and this CICS is the only system registered under this name. You are effectively passing the terminal to yourself.

However, if there is more than one CICS registered under the generic resource name, the terminal should pass successfully to another member (chosen by VTAM) in the same resource. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
A VTAM CLSDST macro is issued to halt communication with the node.

User response
Ensure that the node nodeid is defined and active to VTAM.

Module:
DFHZSYX, DFHZLEX, DFHZCLX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. nodeid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZLEX,
   2=DFHZSYX,
   3=DFHZCLX

Destination
CSNE

DFHZC3491 E  date time applid netname Unable to make session XRF capable.
sense ((instance) Module name: {DFHZLEX})
Explanation
The active CICS system has attempted to OPNDST the session as "XRF capable", but has been refused because the Network Control Program (NCP) has insufficient space to hold the control blocks for a future backup session from the alternate CICS system. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
CICS performs a SIMLOGON, but does not deem the session to be "XRF capable". CICS therefore treats the terminal as class 2.

User response
No immediate action is necessary. You may need to increase the number of buffers in the NCP.

Module:
DFHZLEX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. netname
5. sense
6. instance
7. Value chosen from the following options:
   1 = DFHZLEX

Destination
CSNE

DFHZC3492 E date time applid tranid Logon for node nodeid contained invalid NIBUSER token. sense ((instance) Module name : {DFHZLGX})

Explanation
DFHZLGX has been driven for SIMLOGON with a token that is no longer a valid TCTTE address. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
An unexpected condition has occurred during SIMLOGON. CICS will continue processing normally.

User response
None.

Module:
DFHZLGX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tranid
5. nodeid
6. sense
7. instance
8. Value chosen from the following options:
   1 = DFHZLGX

Explanation
A print function was requested on a 3270 information display system. However, the print function was unable to find an eligible printer because the function does not support the device type. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
If no other action is specified in the Network Error Program (NEP), the print request is halted. CICS processing continues.

User response
Check that the printers specified for the information display system are valid. Valid devices are 3270P and LUTYPE3.

Module:
DFHZARQ

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZARQ

**Destination**
CSNE

**DFHZC3494**

<table>
<thead>
<tr>
<th>date</th>
<th>time</th>
<th>applid</th>
<th>termid</th>
<th>tranid</th>
</tr>
</thead>
</table>

**Explanation**
The request unit (RU) received by the secondary logical unit (LU) contains a request which terminal termid cannot handle. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**
All send and receive requests are purged and transaction tranid is abnormally terminated with a dump.

**User response**
Check that the TYPETERM specifications for terminal termid are valid. This error could occur if, for example, QUERY was sent to a nonqueriable 3270 defined with QUERY=COLD or ALL.

**Module:**
DFHZSYX

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZZNAC

**Destination**
CSNE

**DFHZC3495**

<table>
<thead>
<tr>
<th>date</th>
<th>time</th>
<th>applid</th>
<th>termid</th>
</tr>
</thead>
</table>

**Explanation**
A terminal with netname netname has logged on before a NOTIFY request was received for an outstanding CLSDST PASS with CLSDST=NOTIFY. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**
CICS processing continues. Any subsequent NOTIFY requests for the terminal identified will be ignored.

**User response**
It is recommended that any user processing for CLSDST PASS messages incorporates this message.

**Module:**
DFHZLGX

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. termname
5. sense
6. instance
7. Value chosen from the following options:
   1=DFHZLGX

**Destination**
CSNE

**DFHZC3496**

<table>
<thead>
<tr>
<th>date</th>
<th>time</th>
<th>applid</th>
</tr>
</thead>
</table>

**Explanation**
Terminal termid has been found to be in error by terminal control.
As terminal *termid* had no task attached to it at the time of the error, DFHZNAC was unable to cause a transaction abend with a transaction dump.

The TWAODNTA flag in the DFHZNAC-DFHZNEP commarea is set ON and DFHZNAC produces a system dump for terminal *termid* instead.

**System action**

An exception trace entry is made in the trace table at trace point FC73.

A system dump is produced unless you have specifically suppressed dumps in the dump table.

**User response**

To determine the nature of the problem that caused the dump to be taken, refer to the CSNE log. There should be an associated CICS message which will provide further information.

For more information about TWAODNTA, refer to the Developing system programs for CICS.

**Module:** DFHZNAC

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *termid*
5. *instance*
6. Value chosen from the following options:
   1. DFHZNAC

**Destination**

CSNE

**DFHZC3497 E**

*date time applid* Link to module DFHZNEP from DFHZNAC failed because {module DFHZNEP is not AMODE 31. | module DFHZNEP could not be loaded. | module DFHZNEP could not be autoinstalled. | of an unexpected error.} (*(instance)* Module name: {DFHZNAC})

**Explanation**

While processing an error for a VTAM terminal, CICS attempted to link to user-replaceable module DFHZNEP. The link failed.

See message DFHZC3437 for the default action or actions taken.

**System action**

The default action or actions set by DFHZNAC are taken.

**User response**

The reason for the failure is specified in the message. Possible solutions are:

- Ensure that DFHZNEP is linked with AMODE 31.
- Ensure that DFHZNEP is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.
- Ensure that there is a valid resource definition for DFHZNEP, and that DFHZNEP can be successfully autoinstalled.

**Module:** DFHZNAC

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *termid*
5. *instance*
6. Value chosen from the following options:
   1. DFHZNAC

**Destination**

CSNE

**DFHZC3498 E**

*date time applid* Abend abcode has occurred in module DFHZNEP. (*(instance)* Module name: {DFHZNAC})
Explanation
While processing an error for a VTAM terminal, user-replaceable module DFHZNEP was linked and the program abended with abend code abcode. See message DFHZC3437 for the default action or actions that are taken.

System action
Control is passed back to the calling module, DFHZNAC. DFHZNAC reinstates the default actions set before DFHZNEP was called. The actions are then taken.

User response
Refer to abend code abcode for details of the original error. Follow the user response given in the abend code to solve the problem.

Module:
DFHZNAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. abcode
5. instance
6. Value chosen from the following options:
   1=DFHZNAC

Destination
CSNE

DFHZC3499 E date time applid OS Getmain failure in module DFHmodname with return code X'return_code' while attempting to process message DFHZCmessage_number sense ((instance) Module name: {DFHZLEX | DFHZSHU | DFHZSCX | DFHZSCX | DFHZSYX | DFHZSYX | DFHZTPX | DFHZRAC | DFHZRAC | DFHZATA | DFHZLGX | DFHZLGX})

Explanation
An error has been detected by module modname. The OS GETMAIN request by this module has failed with return code X'return_code', and as a result, the diagnostic information relating to the original error has not been saved and cannot be processed by DFHZNAC.

The only information available for diagnosis of the error is message_number which is the number of the message that would have been issued had the OS GETMAIN request not failed. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
Processing continues normally.

User response
Refer to message message_number for further guidance.

Refer to the z/OS MVS Programming: Authorized Assembler Services Guide for the meaning of the OS GETMAIN return code.

Module:
DFHZATA, DFHZLGX, DFHZRAC, DFHZSCX, DFHZSHU, DFHZTPX, DFHZLEX, DFHZSYX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. modname
5. X'return_code'
6. message_number
7. sense
8. instance
9. Value chosen from the following options:
   1=DFHZLEX,
   2=DFHZSHU,
   3=DFHZSCX,
   4=DFHZSCX,
   5=DFHZSYX,
   6=DFHZSYX,
   7=DFHZTPX,
   8=DFHZRAC,
   9=DFHZRAC,
   10=DFHZATA,
   11=DFHZLGX,
   12=DFHZLGX

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Explanation
A CHANGE-NUMBER-OF-SESSIONS command has been sent or received. The inserts are identified as follows:
• *sysid* is the system identifier.
• *modename* is the modename.
• *n1* is the maximum session count.
• *n2* is the maximum source contention winner sessions.

If the "values amended" option is displayed, the values of the *n1* (maximum session count) and *n2* (maximum source contention winner sessions) have been renegotiated by the target system.

If the "race detected" option is displayed, the CNOS command could not be implemented because the modename *modename* was already locked for a CNOS command from the other system.

If a modename of ALL is produced, it has been set internally by CICS and all of the modegroups for this connection will be affected by the CNOS command.

If the "CNOS failed" option is displayed, the CNOS command could not be implemented because the modename lock was still held on the remote system when a second CNOS command was sent by this CICS, as the CNOS race winner, following a previous CNOS race condition.

System action
The negotiated values are applied.

User response
None.

Module:
DFHZGCN

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. Value chosen from the following options:
   1=sent to,
   2=received from
7. netname
8. sysid
9. modename
10. n1
11. n2
12. Value chosen from the following options:
    1=race detected,
    2=successful,
    3=values amended,
    4=modename not recognized,
    5=modename closed,
    6=CNOS failed
13. instance
14. Value chosen from the following options:
    1=DFHZGCN

Destination
CSNE

DFHZC4901 I  *date time applid termid tranid*
*sysid* Modename *modename*, *Negotiated values: Max=*n1*,
*Win=*n2*. {(*instance*) Module name: *(DFHZGCN)*}

Explanation
• *modename* is the modename,
• *n1* is the maximum session count,
• *n2* is the maximum source contention winner sessions.

This message follows message DFHZC4900 when the maximum session count (*n1*) and the maximum
source contention winner sessions (n2) have been renegotiated.

If a modename of ALL is produced, it has been set internally by CICS and all of the modegroups for this connection will be affected by the CNOS command.

System action
The negotiated values are applied.

User response
None.

Module: DFHZGCN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. netname
7. sysid
8. modename
9. n1
10. n2
11. instance
12. Value chosen from the following options:
   1=DFHZGCN

Destination
CSNE

DFHZC4902 E date time applid termid tranid error. sense ((instance) Module name: {DFHZATT | DFHZATT | DFHZATT | DFHZATT | DFHZATT | DFHZATT | DFHZATT | DFHZATT})

Explanation
A request to attach a task has been received across an APPC link. However, there is an error in the function management header (FMH) length or in the length of one of the subfields. As a result, CICS is unable to determine which task to attach. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.
User response

The remote APPC system is failing to send a valid attach header (FMH type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Module: DFHZATT, DFHZRAC

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZATT,
   2=DFHZATT,
   3=DFHZRAC

Destination

CSNE

DFHZC4904 E  date time applid termid tranid Bracket FSM error.
   sense ((instance) Module name: {DFHZRLP | DFHZRLP | DFHZRLP | DFHZRLP | DFHZRLP | DFHZRLP | DFHZRLP | DFHZRLP | DFHZRLP | DFHZRAC | DFHZRAC | DFHZRAC})

Explanation

The bracket finite state machine (FSM) has reported an error in the use of APPC bracket protocols. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense , see message DFHZC2400.

System action

The task is abnormally terminated with a dump.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

If this message occurs after a persistent sessions restart, look for associated messages for more guidance. The problem might be temporary.

If this message occurs during normal system execution, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHZRAC, DFHZRLP, DFHZSDL, DFHZSLX

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRLP,
   2=DFHZRLP,
   3=DFHZRLP,
   4=DFHZRLP,
   5=DFHZSLX,
   6=DFHZSLX,
   7=DFHZSLX,
   8=DFHZSLX,
   9=DFHZSLX,
   10=DFHZSLX,
   11=DFHZSLX,
   12=DFHZSLX,
   13=DFHZRAC,
   14=DFHZRAC,
   15=DFHZRAC

Destination

CSNE

DFHZC4905 E  date time applid termid tranid Chain FSM error. sense ((instance) Module name: {DFHZRLP | DFHZRLP | DFHZRLP | DFHZRLP | DFHZRLP | DFHZRLP | DFHZRLP | DFHZRLP | DFHZRLP | DFHZRAC | DFHZRAC | DFHZRAC}
The chain finite state machine (FSM) has reported an error in the use of APPC chaining protocols. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The task is abnormally terminated with a dump.
Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If this message occurs after a persistent sessions restart, look for associated messages for more guidance. The problem might be temporary.
If this message occurs during normal system execution, investigate any transactions running on the session at the time of failure because the error can be caused by using both the LAST and WAIT options on an EXEC CICS SEND command in an APPC DTP application. This combination of parameters is not recommended. See the CICS documentation for more information. If this is not the cause of the problem, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHZRAC, DFHZRLP, DFHZSDL, DFHZSLX, DFHZERH, DFHZDET

XMEOUT parameters/Message inserts
1. date
d2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRLP,
   2=DFHZRLP,
   3=DFHZRLP,
   4=DFHZRLP,
   5=DFHZRLP,
   6=DFHZRLP,
   7=DFHZRLP,
   8=DFHZDET,
   9=DFHZERH,
   10=DFHZSDL,
   11=DFHZSDL,
   12=DFHZSLX,
   13=DFHZSLX,
   14=DFHZSLX,
   15=DFHZSLX,
   16=DFHZSLX,
   17=DFHZSLX,
   18=DFHZSLX,
   19=DFHZSLX,
   20=DFHZSLX,
   21=DFHZSLX,
   22=DFHZRAC,
   23=DFHZRAC,
   24=DFHZRAC,
   25=DFHZRAC,
   26=DFHZRAC,
   27=DFHZRAC,
   28=DFHZRAC

Destination
CSNE

DFHZC4906 E date time applid termid tranid Contention FSM error.
sense ((instance) Module name: {DFHZDET | DFHZRAC | DFHZRAC | DFHZRAC | DFHZRAC | DFHZRAC | DFHZRAC | DFHZRAC | DFHZRAC | DFHZRAC | DFHZRAC | DFHZRAC | DFHZRAC | DFHZRAC})
**Explanation**

The contention finite state machine (FSM) has reported an error in the use of APPC contention protocols. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

The task is abnormally terminated with a dump.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

If this message occurs after a persistent sessions restart, look for associated messages for more guidance. The problem might be temporary.

If this message occurs during normal system execution, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHZRAC, DFHZRLP, DFHZDET, DFHZCLS DFHZCC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZDET,
   2=DFHZRAC,
   3=DFHZRAC,
   4=DFHZRAC,
   5=DFHZRAC,
   6=DFHZRAC,
   7=DFHZRAC,
   8=DFHZRAC,
   9=DFHZRAC,
   10=DFHZRAC,
   11=DFHZRLP,
   12=DFHZRAC,
   13=DFHZRAC,
   14=DFHZRAC,
   15=DFHZRAC,
   16=DFHZRAC,
   17=DFHZCLS

**Destination**

CSNE

**DFHZC4907**

*date time applid termid tranid*

Invalid request to send data routine. sense ((instance) Module name: (DFHZSDL | DFHZSDL | DFHZSDL | DFHZSDL | DFHZSDL))

**Explanation**

DFHZSDL was entered, but no valid request was passed to it. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

The task is abnormally terminated with a dump.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHZSDL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSDL,
   2=DFHZSDL,
Invalid request to receive data routine.

Explanation
DFHZRVL was entered, but no valid request was passed. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The task will be abnormally terminated with a dump. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHZRVL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRVL,
   2=DFHZRVL,
   3=DFHZRVL,
   4=DFHZRVL

Destination
CSNE

LU6.2 exception response received.

Explanation
The receive buffer passed to DFHRVL is too small to accommodate a maximum size request unit. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The task will be abnormally terminated with a dump. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHZRVL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRVL,
   2=DFHZRVL,
   3=DFHZRVL,
   4=DFHZRVL

Destination
CSNE
Explanation
A non-process-level exception response has been received. This imbed is inserted in DFHCZ xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The task is abnormally terminated with a dump.

User response
Incorrect flows have been received on an APPC session. The CICS trace gives further details of the flow. Try to recreate the error by running a VTAM trace TYPE=IO/BUF to obtain complete details of the line flow.

Module:
DFHZRLP, DFHZRAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRLP,
   2=DFHZRAC,
   3=DFHZRAC

Destination
CSNE

Explanation
BID with data received, but not OIC. This imbed is inserted in DFHCZ xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The task is abnormally terminated.

User response
Incorrect flows have been received on an APPC session. The CICS trace gives further details of the flow. It may help to run a VTAM trace TYPE=IO/BUF and repeat the error to obtain complete details of the line flow.

Module:
DFHZRLP, DFHZRAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRLP,
   2=DFHZRAC,
   3=DFHZRAC

Destination
CSNE

Explanation
A BID with data was received in an invalid state for rejection. This imbed is inserted in DFHCZ xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The task is abnormally terminated.

User response
Incorrect flows have been received on an APPC session. The CICS trace gives further details of the flow. It may help to run a VTAM trace TYPE=IO/BUF and repeat the error to obtain complete details of the line flow.

Module:
DFHZRLP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRLP,
   2=DFHZRLP,
   3=DFHZRLP,
   4=DFHZRLP

Destination
CSNE

DFHZC4914 E  date time applid termid tranid
EOC received with invalid DFC indicators. sense ((instance) Module name: (DFHZRLP))

Explanation
An end chain was received with invalid DFC indicators. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The task is abnormally terminated.

User response
Incorrect flows have been received on an APPC session. The CICS trace gives further details of the flow. It may help to run a VTAM trace TYPE=IO/BUF and repeat the error to obtain complete details of the line flow.

Module:
DFHZRLP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRLP

Destination
CSNE
**DFHZC4916 E**  
`date time applid termid tranid` Send response failed.  
sense `((instance)`  
Module name: `{DFHZRLP}`

**Explanation**

A response, sent to acknowledge successful receipt of data, was rejected by VTAM. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

The task is abnormally terminated with a dump.

Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**  
DFHZRLP

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. termid  
5. tranid  
6. sense  
7. instance  
8. Value chosen from the following options:
   
   1=DFHZRLP,  
   2=DFHZRLP

**Destination**

CSNE

---

**DFHZC4917 E**  
`date time applid termid tranid` BIS received with invalid DFC indicators.  
sense `((instance)`  
Module name: `{DFHZRLP | DFHZRLP | DFHZRLP | DFHZRLP | DFHZRLP}`

**Explanation**

Bracket initiation stopped (BIS) received with invalid DFC flags. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

The task is abnormally terminated.

---

**DFHZC4918 E**  
`date time applid termid tranid` Unexpected response received.  
sense `((instance)`  
Module name: `{DFHZRLP | DFHZRLP | DFHZRLP | DFHZRLP | DFHZRLP}`

**Explanation**

An unexpected response was received that was either a positive response to data of a previous bracket, or a response to a command that cannot be accepted when the logical unit is in "continue specific" mode. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

The task is abnormally terminated.
Incorrect flows have been received on an APPC session. The CICS trace will give further details of the flow. It may help to run a VTAM trace TYPE=IO/BUF and repeat the error to obtain complete details of the line flow.

**Module:**
DFHZRLP

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1. DFHZRLP
   2. DFHZRLP
   3. DFHZRLP
   4. DFHZRLP
   5. DFHZRLP

**Destination**
CSNE

DFHZC4919 E  

**Explanation**

An indicator other than CD, CEB, RQD2, or error response has been received. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

The task is abnormally terminated with a dump. Message DFHME0116, which contains the symptom string for this problem, is produced.

---

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHZRL, DFHZARL, DFHZARL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1. DFHZRL
   2. DFHZRL
   3. DFHZRL
   4. DFHZRL
   5. DFHZARL

**Destination**
CSNE

DFHZC4920 E  

**Explanation**

Data received from the remote system or terminal is not in correct generalized data stream (GDS) format. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

The task is abnormally terminated with a dump. Message DFHME0116, which contains the symptom string for this problem, is produced.
User response

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHZARL, DFHZARER, DFHZERH

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZERH,
   2=DFHZERH,
   3=DFHZERH,
   4=DFHZERH,
   5=DFHZERH,
   6=DFHZERH,
   7=DFHZARL,
   8=DFHZARL,
   9=DFHZARL,
   10=DFHZARER,
   11=DFHZARER,
   12=DFHZARER

System action

The task is allowed to complete but the required function is not executed.

Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

If one of the errors mentioned above has occurred, try to discover the reason for the failure. If you fail in this, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHLUP

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. sysid
5. X'xxxxx'
6. X'yyyyy'

Destination

CSNE

DFHZC4921E date time applid sysid LU services manager failure. R15 =X'xxxxx' R0 =X'yyyyy'

Explanation

An error situation has been detected during the operation of the LU services manager transaction program (DFHLUP).

Registers 15 and 0 are set to indicate the nature of the error as shown below:

Register 15 = X'0'  Task invalidly started ...

Register 0 = X'4'  ... via a perm transid.
Register 0 = X'4'  ... by a TD trigger.
Register 0 = X'5'  ... without data.
Register 0 = >X'6' ... or is out of range of a valid start code for this service
Register 0 = X'8'  Call code did not match a supported function (1-5).
Register 0 = call code
Register 15 = X'8'  Invalid parameters passed for this function.
Register 0 = keyword #
Register 15 = X'0C' Function-specific checks failed for this keyword.
Register 0 = keyword #
Register 15 = X'10' No input data supplied.
Register 0 = ^0 The IC_GET for the TS START data failed.
Register 0 = X'0' The LUTYPE6.2 RECEIVE returned data length=0.
Register 15 = X'14' The GDS-ID is not for XLN.
Register 0 = GDS-ID

Register 15 = X'14' The GDS-ID is not for XLN.
Register 0 = GDS-ID

Destination

CSNE

DFHZC4922E date time applid termid tranid Single session shutdown with DRAIN=CLOSE. sense ((instance)
Explanation
The connected logical unit has sent Bracket Initiation Stopped (BIS) and can accept no more work. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
If a conversation was active, it is treated as though rollback had occurred on it for full syncpoint (syncpoint level 2), or as session failure for confirm-level syncpoint (syncpoint level 1).
If there was no conversation, it is treated as a BID failure (as for 0813 sense code).

User response
None.

Module:
DFHZRAC, DFHZGDA, DFHZERH

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRAC,
   2=DFHZGDA,
   3=DFHZERH

Destination
CSNE

DFHZC4923 I  
When the system abnormal termination message is transmitted, a conversation is terminated abnormally.

Explanation
Transaction tranid, engaged in an SNA session with a CICS system, issued a command that was inconsistent with the transaction's current state in the conversation.

System action
The conversation terminates and CICS sends this message to the connected logical unit at the nonfailing end of the conversation.
The application in system sysid abnormally terminates with an abend.

User response
Correct the application program. To find the command in error, use the state diagrams in the CICS intercommunication.

Module:
DFHZARL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sysid

Destination
CSMT

DFHZC4924 E  
Bind security password missing or invalid. sense ((instance) Module name: (DFHZOPX | DFHZBLX | DFHZBLX | DFHZBLX | DFHZBLX | DFHZOPX | DFHZOPX | DFHZOPX | DFHZOPX | DFHZSCX))

Explanation
Bind-time security data sent to CICS by its partner LU is missing or invalid. CICS's password for the partner LU system differs from the partner's password for CICS. This can be caused by an attempt to sign on to CICS by an unauthorized user. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The bind is rejected.
User response
Check that an unauthorized user has not tried to log on to CICS. Ensure that the unsuccessful connection is correctly defined to CICS (using RDO or the DFHTCT macro) and to its partner LU system. Ensure that the security requirements are equal at both partners, that is, both have security off, or both have security on. A mismatch is one cause of this message.

Module:
DFHZSCX, DFHZOPX, DFHZBLX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZOPX,
   2=DFHZBLX,
   3=DFHZBLX,
   4=DFHZBLX,
   5=DFHZBLX,
   6=DFHZOPX,
   7=DFHZOPX,
   8=DFHZOPX,
   9=DFHZOPX,
   10=DFHZSCX

Destination
CSNE

DFHZC4925 E  date time applid termid tranid
Inconsistent attach security required. sense ((instance) Module name: {DFHZOPX | DFHZOPN | DFHZOPN | DFHZOPX})

Explanation
This message can be issued for any of the reasons listed below.

1. CICS has received a bind request specifying attach time security requirements different from those specified in the first bind.
2. CICS has received a bind requesting persistent verification.
3. CICS has received a bind which does not include an SNA functional management header (FMH12).

This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
CICS rejects the bind.

User response
CICS does NOT allow subsequent binds to specify different security requirements from the first bind. It will not support persistent verification on input either.

Where applicable, alter your applications to meet these requirements.

Module:
DFHZOPX, DFHZOPN

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZOPX,
   2=DFHZOPN,
   3=DFHZOPN,
   4=DFHZOPX

Destination
CSNE

DFHZC4926 E  date time applid termid tranid
Bind security encryption error. sense ((instance) Module name: {DFHZEV1 | DFHZEV2 | DFHZEV1})
Explanation
CICS detected an error while verifying an encrypted bind security password. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
CICS rejects the bind.

User response
Investigate the CSNE and CSMT logs.
Find out whether an unauthorized user tried to log on to CICS, or whether an authorized user entered his password incorrectly.

Module:
DFHZEV1, DFHZEV2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZEV1,
   2=DFHZEV2,
   3=DFHZEV1

Destination
CSNE
DFHZC4927 E date time applid termid tranid Bind FMH response error. sense ((instance) Module name: {DFHZRAC | DFHZRAC | DFHZRAC | DFHZRAC})

Explanation
CICS received a bind with bind security without an FMH12. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
CICS rejects the bind.

User response
This is an error either in CICS or in SNA. Keep the CSNE and CSMT logs. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHZRAC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZRAC,
   2=DFHZRAC,
   3=DFHZRAC,
   4=DFHZRAC

Destination
CSNE
DFHZC4928 E date time applid termid tranid Bind security GETMAIN of a TIOA failed. sense ((instance) Module name: {DFHZEV1})

Explanation
CICS required a TIOA work area for bind security validation, but the GETMAIN failed because insufficient storage was available.

System action
CICS rejects the bind.
User response
Consider increasing the size of the CICS region or reducing the number of concurrent CICS tasks (MXT parameter in the system initialization table).

Module:
DFHZEV1

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZEV1

Destination
CSNE

DFHZC4929  date time applid termid tranid
Invalid or unsupported BIND
for logmode logmode.
Response
X’reponse’, Reason X’reason’
((instance) Module: (DFHZOPN))

Explanation
CICS has detected an error while validating the BIND supplied by VTAM for a CICS typeterm definition defined with LOGMODE=0 or LOGMODE=logmode.
The response code indicates:

X’04’
The BIND supplied does not match the TCTTE - detected by DFHZBANS.

X’08’
The BIND supplied is unsupported - detected by DFHZBANV.

X’0C’
The BIND supplied is invalid - detected by DFHZBANV.

The reason code for a response of X’04’ is as follows:

X’1C’
No NIB descriptor chained from TCTTE

X’1D’
No BMS extension chained from TCTTE

X’1E’
Same as for reason code X’1D’

X’1F’
LU6.2 BIND, but TCTTE does not match.
The reason code for a response of X’08’ or X’0C’ is as follows:

<table>
<thead>
<tr>
<th>Reason</th>
<th>Invalid byte</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3</td>
<td>Should be hex 02, 03, 04 or 07</td>
</tr>
<tr>
<td>2-8</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>9</td>
<td>24</td>
<td>Invalid for LUTYPE 1,2 or 3</td>
</tr>
<tr>
<td>0A,0B,10</td>
<td>1</td>
<td>Invalid for LUTYPE 1,2 or 3</td>
</tr>
<tr>
<td>0B</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>0C</td>
<td>22</td>
<td>Invalid for LUTYPE 1</td>
</tr>
<tr>
<td>0E</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>0F</td>
<td>24</td>
<td>Invalid for LUTYPE 2 should be hex 00, 01, 02, 03, 07, or 0E</td>
</tr>
<tr>
<td>11</td>
<td>24</td>
<td>Invalid for LUTYPE 3</td>
</tr>
<tr>
<td>12</td>
<td>24</td>
<td>Invalid for LUTYPE 3</td>
</tr>
<tr>
<td>13</td>
<td>16</td>
<td>Invalid for LUTYPE 6.2</td>
</tr>
<tr>
<td>14</td>
<td>23</td>
<td>Invalid for LUTYPE 6.2</td>
</tr>
<tr>
<td>15-18</td>
<td>24</td>
<td>Invalid for LUTYPE 6.2</td>
</tr>
<tr>
<td>19</td>
<td>15</td>
<td>Should be hex 00 or 02</td>
</tr>
<tr>
<td>1A</td>
<td>14</td>
<td>Should be hex 00, 01, 02, 03, 07, or 0E</td>
</tr>
<tr>
<td>1B and</td>
<td>16</td>
<td>Invalid for LUTYPE 6.2</td>
</tr>
<tr>
<td>User Data</td>
<td></td>
<td>Should be hex 00 or 02</td>
</tr>
<tr>
<td>over</td>
<td></td>
<td>Should be hex 00, 01, 02, 03, 07, or 0E</td>
</tr>
<tr>
<td>the error detected. These can be:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1B and</td>
<td>16</td>
<td>Invalid for LUTYPE 6.2</td>
</tr>
<tr>
<td>User Data</td>
<td></td>
<td>Should be hex 00 or 02</td>
</tr>
<tr>
<td>over</td>
<td></td>
<td>Should be hex 00, 01, 02, 03, 07, or 0E</td>
</tr>
<tr>
<td>the error detected. These can be:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1B and</td>
<td>16</td>
<td>Invalid for LUTYPE 6.2</td>
</tr>
<tr>
<td>User Data</td>
<td></td>
<td>Should be hex 00 or 02</td>
</tr>
<tr>
<td>over</td>
<td></td>
<td>Should be hex 00, 01, 02, 03, 07, or 0E</td>
</tr>
<tr>
<td>the error detected. These can be:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

System action
CICS rejects the logon request. The BIND being validated is printed with this message.
**User response**

Use the response and reason codes and the printed BIND, together with the VTAM definition of the BIND for the relevant LOGMODE to determine the reason for the rejection.

Either change the logmode or use a different one that matches CICS requirements.

**Module:**
DFHZOPN

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. logmode
7. X’reponse’
8. X’reason’
9. instance
10. Value chosen from the following options:

   1=DFHZOPN

**Destination**

CSMT

DFHZC4930 E  
**date time applid termid tranid**  
Session unbound following read timeout. sense ((instance) Module name: (DFHZARL | DFHZARL | DFHZARER))

**Explanation**

A READ timeout has occurred on the SNA link. SNA unbinds the session and CICS returns control to the application program. This allows the program to override the system action (for example, the program could free the APPC session). This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

CICS abends the task abnormally with a dump.

**User response**

This is probably a network problem caused by a high level of network traffic. To avoid this problem, increase the Read Timeout (RTIMOUT) to a sufficiently high value to compensate for the level of network traffic. Alternatively, this problem may have arisen simply because the partner application failed to respond due to a programming error. If this is the case, correct the partner application and retry the request.

**Module:**
DFHZARL, DFHZARER.

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:

   1=DFHZARL,
   2=DFHZARL,
   3=DFHZARER

**Destination**

CSNE

DFHZC4931 E  
**date time applid termid tranid**  
VTAM detected bad logmode name. sense ((instance) Module name: (DFHZLEX))

**Explanation**

Either a MODENAME passed to VTAM during an attempt to bind an APPC session is not known to VTAM, or the logmode name of a VTAM 3270-type terminal is not valid. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

CICS places the session permanently out of service and for APPC, the mode entry is flagged unusable.

**User response**

Either redefine the sessions using a MODENAME that is known to VTAM, or add the MODENAME to the VTAM LOGMODE table. Alternatively, if the logmode name specified for a VTAM terminal is invalid, redefine the terminal entry using the correct name.
Module: DFHZLEX

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZLEX

Destination
CSNE

DFHZC4933 E date time applid termid tranid Invalid conversation type requested. sense ((instance) Module name: (DFH62XM))

Explanation
A request to attach a task has been received across an APPC link. However, there is an error in the conversation type field. It must be TYPE=MAPPED or TYPE=UNMAPPED. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
The task abends and a dump is produced. The session is unbound.

User response
The remote APPC system sends an invalid attach header (FMH Type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Module: DFH62XM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFH62XM

Destination
CSNE
**DFHZC4934 E**  
*date time applid termid tranid*

Invalid syncpoint level requested.  
*sense ((instance) Module name: {DFH62XM})*

**Explanation**

A request to attach a task has been received across an APPC link. However, the synchronization level requested is invalid. This imbed is inserted in DFHZC xxxx messages with *sense* inserts. For the meaning of *sense*, see message DFHZC2400.

**System action**

The task abends and a dump is produced.

**User response**

The remote APPC system sends an invalid attach header (FMH Type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Check the sync level in the ATTACH header against that in the BIND.

**Module:**  
DFH62XM

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *termid*
5. *tranid*
6. *sense*
7. *instance*
8. Value chosen from the following options:
   1. DFH62XM

**Destination**

CSNE

**DFHZC4935 E**  
*date time applid termid tranid*

Invalid UOWID supplied.  
*sense ((instance) Module name: {DFH62XM | DFH62XM | DFH62XM | DFH62XM | DFH62XM | DFH62XM | DFH62XM})*

**Explanation**

A request to attach a task has been received across an APPC link and either the unit of work ID is invalid, or no UOWID was received when the sync point level required it. This imbed is inserted in DFHZC xxxx messages with *sense* inserts. For the meaning of *sense*, see message DFHZC2400.

**System action**

The task abends and a dump is produced. The session is unbound.

**User response**

The remote APPC system sends an invalid attach header (FMH Type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

**Module:**  
DFH62XM

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *termid*
5. *tranid*
6. *sense*
7. *instance*
8. Value chosen from the following options:
   1. DFH62XM,
   2. DFH62XM,
   3. DFH62XM,
   4. DFH62XM,
   5. DFH62XM,
   6. DFH62XM

**Destination**

CSNE

**DFHZC4936 E**  
*date time applid termid tranid*

Attach FMH or subfield length error.  
*sense ((instance) Module name: {DFH62XM | DFH62XM})*
Explanation

A request to attach a task has been received across an APPC link. However, there is an error in the FMH length or in the length of one of the sub-fields. This results in CICS being unable to determine which task to attach.

The instance instance is one of the following:

1

The FMH Length is not equal to the length of the fixed length portion + the length of all the sub-fields.

2

The Conversation Correlator length within the FMH is greater than 8.

This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action

The task abends and a dump is produced.

User response

The remote APPC system sends an invalid attach header (FMH Type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Module: DFH62XM

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFH62XM,
   2=DFH62XM

Destination

CSNE

DFHZC4937 E date time applid SAF request for LU6.2 bind has been rejected.

Manager are: RF= X’rf’ and R0= X’r0’ sense ((instance) Module name: {DFHZOPN | DFHZOPN | DFHZOPN | DFHZOPN | DFHZOPN | DFHZOPN | DFHZOPN | DFHZOPN | DFHZEV1 | DFHZEV1 | DFHZEV1 | DFHZEV1 | DFHZEV2 | DFHZEV2 | DFHZEV2 | DFHZEV2})

Explanation

A security authorization facility (SAF) request to extract APPC bind-time security information from the external security manager (ESM) has been rejected with return code RF=X’rf’. and R0=X’r0’.

This is due either to the ESM being inactive or to the appropriate APPC profile not being defined to the ESM. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action

CICS rejects the bind.

User response

Refer to the ESM manuals appropriate to your system to obtain information about the meanings of any return codes which may have been produced by the ESM.

If you are using RACF as your security manager, refer to the RACXTRT macro guidance documented in the z/OS Security Server RACF System Programmer’s Guide manual for the meaning of the return codes.

If the appropriate APPC profile had not been defined to the ESM, define the profile, perform a CICS security rebuild and then attempt to reestablish the APPC connection.

Module: DFHZEV1, DFHZEV2, DFHZOPN

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. X’rf’
5. X’r0’
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZOPN,
Destination

CSNE

DFHZC4938 E    date time applid SAF request for LU6.2 bind has failed with ESM return code RF= X'rf' and reason code R0= X'r0' sense ((instance) Module name: {DFHZOPN | DFHZOPN | DFHZEV1 | DFHZEV2})

Explanation

The external security manager (ESM) was attempting to process a security authorization facility (SAF) request. Processing has failed with return code RF=X'rf' and reason code R0=X'r0'. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense , see message DFHZC2400.

System action

CICS rejects the bind.

User response

Refer to the ESM manuals appropriate to your system to obtain information about the meanings of any return codes or reason codes produced by the ESM.

If you are using RACF as your security manager, refer to the RACXTRT macro guidance documented in the z/OS Security Server RACF System Programmer’s Guide manual for the meaning of the return code and the reason code.

Module:
DFHZEV1, DFHZEV2, DFHZOPN

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. X'rf'
5. X'r0'
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZOPN,
   2=DFHZOPN,
   3=DFHZEV1,
   4=DFHZEV2

Destination

CSNE

DFHZC4939 E    date time applid Extraction of LU6.2 security data has failed with ESM returncode RF= X'rf' and reason code R0= X'r0' sense ((instance) Module name: {DFHZOPN | DFHZOPN | DFHZEV1 | DFHZEV2})

Explanation

A request to extract APPC bind-time security information has failed with return code RF=X'rf' and reason code R0=X'r0'. The profile information which was requested had not been previously defined to the external security manager (ESM). This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense , see message DFHZC2400.

System action

CICS rejects the bind.

User response

Check the profiles defined to the ESM. Create the missing APPC profile entry.
Refer to the ESM manuals appropriate to your system to obtain information about the meanings of any return codes or reason codes produced by the ESM.

If you are using RACF as your security manager, refer to the RACXTRT macro guidance documented in the z/OS Security Server RACF System Programmer’s Guide manual for the meaning of the return code and the reason code.

**Module:**
DFHZEV1, DFHZEV2, DFHZOPN

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. X’rf’
5. X’r0’
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZOPN,
   2=DFHZOPN,
   3=DFHZEV1,
   4=DFHZEV2

**Destination**
CSNE

**DFHZC4940 E**  
date time applid Bind time failure.  
No session key found in LU6.2 profile. sense ((instance) Module name: {DFHZOPN | DFHZOPN | DFHZEV1 | DFHZEV2})

**Explanation**
APPC bind-time validation has failed. No session key has been found in the requested APPC profile information. When bind-time security has been defined between two logical units (LUs), a valid session key must have been defined for the encryption process. A null session key (that is, when no key is defined) is regarded as an error. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**
CICS rejects the bind.

**User response**
Check the profiles defined to the external security manager (ESM). Create a valid session key for the appropriate APPC profile entry. DO NOT use the NOSESSKEY ESM option for XAPPC security profiles when using RACF.

Refer to the ESM manuals appropriate to your system to obtain information about the meanings of any return and reason codes which produced by the ESM.

If you are using RACF as your security manager, refer to the RACXTRT macro guidance documented in the z/OS Security Server RACF System Programmer’s Guide manual for the meaning of the return code and the reason code.

**Module:**
DFHZEV1, DFHZEV2, DFHZOPN

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. sense
5. instance
6. Value chosen from the following options:
   1=DFHZOPN,
   2=DFHZOPN,
   3=DFHZEV1,
   4=DFHZEV2

**Destination**
CSNE

**DFHZC4941 E**  
date time applid Bind time failure.  
LU6.2 profile locked. sense ((instance) Module name: {DFHZOPN | DFHZOPN | DFHZEV1 | DFHZEV2})

**Explanation**
The external security manager (ESM) has requested profile information during bind-time validation but the requested profile is locked. When a profile is locked no sessions can be established. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**
CICS rejects the bind.
User response

Check the profiles defined to the ESM. The system administrator may have locked the profile. Request that the profile be unlocked. Try once more when the profile has been unlocked.

If you are using RACF as your security manager, refer to the RACXTRT macro guidance documented in the z/OS Security Server RACF System Programmer's Guide manual for further information.

Module:
DFHZEV1, DFHZEV2, DFHZOPN

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. sense
5. instance
6. Value chosen from the following options:
   1=DFHZOPN,
   2=DFHZOPN,
   3=DFHZEV1,
   4=DFHZEV2

Destination

CSNE

DFHZC4942 E date time applid Bind time failure. Expired LU6.2 profile found.

Explanation

The external security manager (ESM) has requested profile information during bind-time validation but the requested profile has expired. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense , see message DFHZC2400.

System action

CICS rejects the bind.

User response

Check the profiles defined to the ESM. The system administrator needs to update the required profile.

Request that the profile be updated. Try once more when the profile has been updated.

If you are using RACF as your security manager, refer to the RACXTRT macro guidance documented in the z/OS Security Server RACF System Programmer's Guide manual for further information.

Module:
DFHZEV1, DFHZEV2, DFHZOPN

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. sense
5. instance
6. Value chosen from the following options:
   1=DFHZOPN,
   2=DFHZOPN,
   3=DFHZEV1,
   4=DFHZEV2

Destination

CSNE

DFHZC4943 E date time applid termid tranid RPL B FSM error. sense ((instance) Module name: {DFHZSDL})

Explanation

The finite state machine (FSM), for the APPC alternate RPL (RPL 'B'), has detected an error in the use of the RPL. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense , see message DFHZC2400.

System action

The task is abnormally terminated with abend code ATNI and a dump is produced.

User response

If this message occurs when VTAM is terminating, it is not a serious problem and usually no response is necessary.

If this message occurs during normal system execution, you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.
Module: DFHZSDL

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFHZSDL

Destination
CSNE

DFHZC4944 date time applid termid tranid
Protocol Violation detected within bind security indicators.
sense ((instance) MODULE NAME: {DFHZBLX | DFHZBLX | DFHZOPX | DFHZOPX})

Explanation
CICS has detected an error while validating the bind security specification. LOCAL security has been specified, but the bind contains data that indicates NON LOCAL security. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action
CICS rejects the bind.

User response
Ensure that the correct data is sent in the bind for the required type of security.

Module: DFHZSCX, DFHZOPX, DFHZBLX

Chapter 2. CICS messages 2497
6. sense
7. instance
8. Value chosen from the following options:

   1=DFHZARER

**Destination**

CSNE

**DFHZC4946 E**

*date time applid termid tranid*

*Invalid attach parameter was received. sense ((instance) Module name: (DFH62XM | DFH62XM | DFH62XM))*

**Explanation**

A request to attach a task has been received across an APPC link. However there is an error in the FMH attach parameters. An attach parameter is present that is not authorized by the bind security indicators.

The *instance* data can take the following values:

<table>
<thead>
<tr>
<th>instance</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The bind security indicators show that the connection is defined as ATTACHSEC(LOCAL) indicating that this LU does not accept any security parameters in an attach from the partner LU. One or more of the following security parameters has been found: Userid, Password, Profile, AV, PV1 and PV2.</td>
</tr>
<tr>
<td>2</td>
<td>An already-verified (AV) indicator has been received in an attach from the partner LU, but the bind security indicators show that this LU does not support the receipt of the AV indicator.</td>
</tr>
<tr>
<td>3</td>
<td>A persistent verification signon (PV2) indicator, or a persistent verification signed-on (PV1) indicator, has been received in an attach from the partner LU, but the bind security indicators show that this LU does not support the receipt of the PV indicators.</td>
</tr>
</tbody>
</table>

**System action**

The task abends and a dump is produced and the session is unbound. An exception trace point (number 1737) for component TF is issued, tracing the invalid attach header (FMH type 5).

**User response**

Investigate the cause of the error which is in the remote system. Use the FMH5 in the exception trace to determine why the remote system sent an invalid attach request.

**Module:**

DFH62XM

**XMEOUT parameters/Message inserts**

1. *date*
2. *time*
3. *applid*
4. *termid*
5. *tranid*
6. *sense*
7. *instance*
8. Value chosen from the following options:

   1=DFH62XM,
   2=DFH62XM,
   3=DFH62XM

**Destination**

CSNE

**DFHZC4947 E**

*date time applid termid tranid*

*Attach time security check has failed. Security not valid. sense ((instance) Module name: (DFH62XM | DFH62XM | DFH62XM | DFH62XM | DFH62XM | DFH62XM | DFH62XM | DFH62XM | DFH62XM))*

**Explanation**

A request to attach a task has been received over an APPC link. However the FMH5 attach parameters do not conform to the APPC protocol.

The *instance* data can take the following values:

<table>
<thead>
<tr>
<th>instance</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Unrecognized access security subfield</td>
</tr>
<tr>
<td>2</td>
<td>Multiple userid access security subfields present</td>
</tr>
<tr>
<td>3</td>
<td>Multiple profile access security subfields present</td>
</tr>
</tbody>
</table>
Multiple password access security subfields present

Userid required in FMH but not received

PV1 and PV2 security indicators both present in FMH5

Password received when AV indicator set

Password received when PV1 indicator set

Password required for PV2 but not received.

System action

The attach request is rejected and the session is unbound. An exception trace point (number 1737) for component TF is issued tracing the invalid attach header (FMH type 5).

User response

Investigate the cause of the error which is in the remote system. Use the FMH5 in the exception trace, to determine why the remote system sent an invalid attach request.

If the remote system has an earlier release of CICS or CICS on another platform and the sense value given is 5 then you may need to set USEDFLTUSER. See 'Attach Time Security and the USEDFLTUSER option' in chapter 12 of the CICS Security.

Module:

DFH62XM, DFHZGXA

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   1=DFH62XM,
   2=DFH62XM,
   3=DFH62XM,
   4=DFH62XM,
   5=DFH62XM,
   6=DFH62XM,
   7=DFH62XM,
   8=DFH62XM,
   9=DFH62XM

Destination

CSNE

DFHZC4948 E date time applid An error has been detected when processing an{ unknown | inbound | outbound} { request. | Persistent Verify Signoff request. | Persistent Verify Timeout request.} Transaction tranid is{ continuing. | terminating. | terminating abnormally.} Error code: X'xxxxx' Connection: yyyy

Explanation

An error has been detected during the execution of transaction CLS3. The error code indicates the nature of the error:

X'01'

Transaction CLS3 issued an unsuccessful communications request on an APPC session.

X'02'

Transaction CLS3 was started by a START command with data, but the format of the data was incorrect.

X'04'

Transaction CLS3 is attempting to send a signoff request to a remote system, but the connection to the remote system is not an APPC connection.

X'06'

Transaction CLS3 was not started by terminal input, nor by a START command.

X'09'

Transaction CLS3 was started by a START command with data, but the data could not be retrieved.
Transaction CLS3 is attempting to send a signoff request to a remote system, but there is no connection to the remote system.

Transaction CLS3 unsuccessfully attempted to allocate an APPC session to a remote system.

Depending upon the nature of the event that gave rise to the message, the transaction continues execution, terminates normally, or terminates abnormally. The message text indicates which action is being taken.

This depends upon the error code:

Determine why the communications request on the APPC session failed. Possible reasons are:

- There has been a session failure.
- The connected transaction has abended.

This error produces an exception trace, which helps to determine the cause of the problem.

Ensure that transaction CLS3 was started by CICS-supplied code, and not by application code. If it was started by CICS-supplied code, contact your IBM Support Center.

Check the connection definition for the remote system. It should be an APPC connection.

Ensure that transaction CLS3 was started by CICS-supplied code, and not by application code. If it was started by CICS-supplied code, contact your IBM Support Center.

Determine why the data could not be retrieved. If you are unable to do so, contact your IBM Support Center.

Ensure that the connection has been correctly defined.

Ensure that the connection is acquired and in service.

This message is produced for each session that is in this situation. A VTAM session has not responded to a command such as BID or SHUTD sent by CICS. This is typically caused by a protocol error.
**System action**

CICS is running with system initialization parameter RAPOOL=(n,n,FORCE) causing CICS to issue a VTAM CLSDST against the session, which causes the TCTTE’s RPL to be completed and the session to be unbound.

The default NEP action is CLSDST, which causes CICS to clean up the TCTTE after the pending command has been terminated.

The Receive Any data received is discarded and the RA RPL is reissued.

**User response**

Investigate the reason why the command has not completed. The TCTTE RPL is printed with the message.

It is important to look at any earlier DFHZNAC messages because of the asynchronous nature of DFHZNAC. If the CLSDST has not completed, the RPL printed will be active and will show the RPL that can not complete. If the CLSDST has completed when DFHZNAC runs, the RPL printed will have a RTNCD/FDB2 of X'0C0B' but RPLREQ still shows what command would not complete.

If the CLSDST return code rc is non 0, the CLSDST macro has failed in DFHZRAC and the session remains hung. You may be able to free the session by using VTAM command V NET,INACT,ID=netname,1. You can find the reason for the CLSDST failure by looking at the RPL in the AP FC90 trace point for the CLSDST.

**Module:** DFHZRAC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. netname
7. Value chosen from the following options:
   1. data lost.
   2. response lost.
   3. command lost.
8. X’rc’
9. sense
10. instance
11. Value chosen from the following options:

**Destination**

CSNE

**DFHZC4950 E**

```
(date time applid) An error has occurred when attempting to attach the outbound Connection Quiesce Protocol transaction CQPO on session termid.

Release of connection sysid is continuing. ((instance) Module name: (DFHZCLS))
```

**Explanation**

An error has been detected while attempting to attach the outbound transaction for the Connection Quiesce Protocol (CQPO) on an APPC session.

**System action**

The release of the connection continues, but the Connection Quiesce Protocol will take place only if the partner system successfully initiates it.

**User response**

Determine why transaction CQPO failed to attach. If you have installed the correct definition for the transaction, you should never see this message, and you may need to contact your IBM Support Center for assistance.

If the partner system did not initiate the Connection Quiesce Protocol, you may need to determine if there are units of work awaiting resync, or VTAM affinities to be ended before you can INITIAL start either of the connected systems.

**Module:** DFHZCLS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. sysid
6. instance
7. Value chosen from the following options:
System action

Depending upon the nature of the event that gave rise to the message, the transaction continues execution, terminates normally, or terminates abnormally. The message text indicates which action is being taken.

User response

This depends upon the error code:

X'01, 02, 07'

Ensure that transaction tranid was started by CICS-supplied code, and not by application code. If it was started by CICS-supplied code, contact your IBM Support Center.

X'03'

Determine why the communications request on the APPC session failed. Possible reasons are:

- There has been a session failure.
- The connected transaction has abended.

:pc. This error produces an exception trace, which helps to determine the cause of the problem.

In other cases, contact your IBM Support Center.

Module:

DFHCL5

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. Value chosen from the following options:
   1 = unknown,  
   2 = inbound,  
   3 = outbound
5. tranid
6. Value chosen from the following options:
   1 = continuing.,  
   2 = terminating.,  
   3 = terminating abnormally.
7. X'xxxxx'
8. yyyy

Destination

CSNE
DFHZC4960 I  

```plaintext
date time applid CICS has not been able to notify z/OS Communications Server that it will handle detection of BMS 3270 intrusion detection.
```

**Explanation**

VTAM indicates that it is capable allowing CICS to perform BMS 3270 intrusion detection, but the TCT was assembled with back level VTAM macros.

**System action**

The VTAM ACB is opened. Both z/OS Communication Server and CICS may perform BMS 3270 intrusion detection.

**User response**

This message is issued when a user TCT has not been regenerated with the z/OS Communications Server 3270 intrusion detection services capability macros. Regenerate your TCTs, including DFHTCTDY if running with TCT=NO, and restart CICS.

**Module:**

DFHZSLS

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid

**Destination**

Console

DFHZC5900 E  

```plaintext
date time applid System(sysid) has shipped definitions but connection(cccc) is not known to this system.
```

**Explanation**

CICS has received definitions from remote system sysid, but cannot find a connection named cccc.

**System action**

CICS continues.

**User response**

If you want these definitions to be accepted, install the necessary connection using CEDA, and retransmit the definitions from the remote system.

**Module:**

DFHZSLS

DFHBSTZ1, DFHBSTZ2

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. sysid  
5. cccc

**Destination**

CSMT

DFHZC5901 E  

```plaintext
date time applid Install for resource(resource) failed. xxxx could not obtain yyyy storage
```

**Explanation**

When installing resource resource, CICS module xxxx could not get storage for the extent specified by the value of yyyy.

**System action**

CICS continues.

**User response**

If possible, increase the size of your CICS address space. Otherwise, consider reducing the number of resources used in one CICS run.

**Module:**

DFHBSTC, DFHBSTZ1, DFHBSTZ2, DFHBSZZS

**XMEOUT parameters/Message inserts**

1. date  
2. time  
3. applid  
4. resource  
5. xxxx  
6. yyyy

**Destination**

CSMT
**DFHZC5902 E** date time applid Deletion of terminal termid failed. BMS Paging session still active

**Explanation**
CICS cannot delete terminal termid because a BMS paging session is still active for the terminal.

**System action**
CICS continues.

**User response**
Sign on to terminal termid and purge the pages.

**Module:**
DFHBSTB

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. termid

**Destination**
CSMT

---

**DFHZC5904 E** date time applid Deletion of terminal termid failed. CEDF is still active

**Explanation**
CICS cannot delete the terminal termid because an EDF session is still active for this terminal.

**System action**
CICS continues.

**User response**
Deactivate EDF for the terminal, and reinstall the group.

**Module:**
DFHBSTE

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. termid

**Destination**
CSMT

---

**DFHZC5903 E** date time applid Deletion of terminal termid failed. CICS logic error

**Explanation**
CICS cannot delete the terminal termid, because the CICS batch data attach function (DIP) is still active for this terminal.

**System action**
CICS continues. A system dump is taken with dumpcode ZC5903. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHBSTD

---

**DFHZC5905 E** date time applid Deletion of terminal termid failed. CICS logic error

**Explanation**
CICS cannot delete terminal termid because the command level interface is still active for this terminal.

**System action**
CICS continues. A system dump is taken with dumpcode ZC5905. Message DFHME0116, which contains the symptom string for this problem, is produced.
User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHBSTH

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid

Destination
CSMT

DFHZC5906 E  

date time applid Install failed because 'xxxx' is not a permitted value for a terminal or connection name

Explanation
A name of hexadecimal zeros has been used for a TERMINAL or CONNECTION definition.
This is a reserved value. CICS has failed to install the terminal or connection.

xxxx is the reserved value converted to printable hexadecimal. The error has probably been made using autoinstall.

System action
CICS continues.

User response
Correct the definition to use a valid name and reinstall the group.

Module:
DFHBSS, DFHBSTZ, DFHBSTZ1, DFHBSTZ2
DFHBSMPP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. xxxx

Destination
CSMT

DFHZC5907 E  
date time applid Deletion of remote shipped terminal failed for connection cccc.

Explanation
During the deletion of connection cccc, the connection was found to have shipped remote terminals. The deletion of one or more of these shipped remote terminals has failed.

System action
CICS continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
See message DFHZC5915 for further information.

Use CEMT to release the connection and put it OUT OF SERVICE, then retry the install of the connection.

Module:
DFHBSSZ

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. cccc

Destination
CSMT

DFHZC5908 E  

date time applid Install for terminal termid failed. The security manager gave return code recode

Explanation
CICS cannot install terminal termid. DFHXSMN gave the return code recode.

System action
CICS continues.

User response
Check the value of the return code recode in the Developing system programs for CICS.
Module: DFHBSTS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. retcode

**Destination**

CSMT

**DFHZC5909 E**

*date time applid Install of resource resource failed. Call to DFHIRP irp_function Return_code did not succeed, See DFHIRSDS for return code.*

**Explanation**

When installing resource *resource*, the CICS module DFHBSSZR made a call to an IR service *irp_function* which failed due to the specified *return code*.

**System action**

CICS continues. The MRO connection *resource* is not installed.

**User response**

For an explanation of the *return code*, see DFHIRSDS in the CICS Data Areas manual.

Also see the user response section of message DFHIR3780. This gives a list of reasons why starting IRC can fail. However, some of the reasons are now also applicable when adding an IRC connection when IRC is OPEN. For instance a *return code* of E8 is issued if you add an IRC connection when cross memory is requested on the new connection but is not being used on any existing connection and when the CICS DB2 attachment has been initialized.

**Module:**

DFHBSSZR

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. resource
5. cccc

**Destination**

CSMT

**DFHZC5912 E**

*date time applid Install for terminal termid failed. It is incompatible with connection cccc*

**Explanation**

The terminal *termid* and the connection *ccc* are mutually incompatible.

**System action**

CICS continues.

**User response**

Modify your definition of *termid* or *ccc*.

**Module:**

DFHBSTZ, DFHBSTZ2
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. cccc

Destination
CSMT

DFHZC5913 E  date time applid Deletion of node id failed. {A table entry is locked. | A table entry was not found. | There was a logic error.} Table=tabname Key(key) Module(modname) Instance=inst.

Explanation
CICS cannot delete node id. The message explains the reason for the failure.

1. One of its TMP table entries is locked by other tasks.
2. A TMP table entry could not be found, possibly because the node was already deleted by another task.
3. There was a CICS logic error. A DFHTM0002 error message may have been issued as well.

The TMP table entry is identified by tabname. The key used in the table has a value key. The module that issued the message is identified by modname and the instance of the message in that module by inst.

System action
The resource is not deleted. If the entry was locked, CICS issues one or more message DFHZC5980.

User response
Choose the action which corresponds to the reason identified in the message:

1. See message DFHZC5980 for further information and guidance.
2. If the node is deleted, no action is needed. If the node exists, determine whether it was replaced while this request was running. If the entry exists and has not been replaced, you will need assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHBSS, DFHBSSZ, DFHBSTZ, DFHBSTZ1, DFHBSTZ2, DFHBSTZV, DFHBSTZS, DFHBSTZZ

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. id
5. Value chosen from the following options:
   1=A table entry is locked.,
   2=A table entry was not found.,
   3=There was a logic error.
6. tabname
7. key
8. modname
9. inst

Destination
CSMT

DFHZC5914 E  date time applid Deletion of terminal termid found another deletion of it in progress

Explanation
CICS has failed to delete terminal termid because it is already marked as pending deletion.

It is likely that a CEDA user is installing this terminal.

System action
CICS continues.

User response
Check if a CEDA user is installing the terminal.

Module:
DFHBSMIR, DFHBSMPP, DFHBSS, DFHBSTZ

Chapter 2. CICS messages 2507
4. termid

Destination
CSMT

DFHZC5915 E  date time applid Deletion of node id failed. {The node is still in service. | The system entry is still in service. | The node has a task attached.} Module(modname).

Explanation
CICS cannot delete node id The reason is identified in the message.
1. The terminal or session is still in service.
2. The system entry of this session is still in service.
3. A task is still attached to this terminal or session.

The module issuing the message is identified as modname.

System action
CICS continues and does not delete the node.

User response
Before retrying the deletion or replacement, perform the action which corresponds to the reason given in the message.
1. Set the node OUT OF SERVICE
2. Set the system entry OUT OF SERVICE.
3. Wait for activity to cease for this node.

Module:
DFHBSMIR, DFHBSTZ, DFHBSTZP

XMEOUT parameters/Message inserts
1. date
time
applid
id
5. Value chosen from the following options:
   1=The node is still in service.,
   2=The system entry is still in service.,
   3=The node has a task attached.
6. modname

Destination
CSMT

DFHZC5916 E  date time applid Deletion of terminal termid failed. It has pending DFHZCP activity

Explanation
CICS cannot delete resource termid because DFHZCP activity is pending for this terminal. The resource could be a session belonging to a connection or a terminal TCTTE.

System action
CICS continues.

User response
Use exception trace point AP FCDE to determine what sort of activity is pending.
If this indicates that the VTAM CLSDST command is in progress, VTAM could be trying to contact a nonexistent or unavailable resource (indicated by NETNAME in the CEDA definition for the resource). In this case, wait for a few minutes and retry the reinstall or discard. If you have access to the JOBLOG, message DFHZC3462 for the resource in question indicates that the CLSDST has finished.
If the resource is a terminal, put the terminal briefly into service and then take it out of service again, using the CEMT transaction.

Module:
DFHBSTZA

XMEOUT parameters/Message inserts
1. date
time
applid
termid

Destination
CSMT

DFHZC5917 E  date time applid Deletion of terminal termid failed. Error message writer still active

Explanation
CICS cannot delete terminal termid because the error message writer is still active for this terminal.
System action
CICS continues.

User response
Put the terminal briefly into service and then take it out of service again, using the CEMT transaction.

Module:
DFHBSTZE

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid

Destination
CSMT

DFHZN5918E  date time applid Deletion of terminal termid failed. CICS logic error

Explanation
CICS cannot delete terminal termid because of an error in disconnecting remote terminals.

System action
CICS continues. A system dump is taken with dumpcode ZC5919. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHBSSZ

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. consname

Destination
CSMT

DFHZN5920E  date time applid Install of terminal termid failed. CICS logic error

Explanation
This CICS system failed to install terminal termid. No terminals can be accepted yet because the system does not have a local system entry. There was probably a failure during CICS initialization.

System action
CICS continues. A system dump is taken with dumpcode ZC5920. Message DFHME0116, which contains the symptom string for this problem, is produced.
User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHBSTZ

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid

Explanation
CICS failed to install terminal termid because CICS was initialized without VTAM support.

System action
CICS continues processing.

User response
To use VTAM, shut down CICS and restart with the system initialization parameter VTAM=YES, a TCT that does not specify ACCMETH=NONVTAM, and appropriate RDO terminal definitions.

Module: DFHBSZZV

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid

Explanation
CICS failed to install terminal termid because the bind-image was invalid.

System action
CICS continues. A system dump is taken with dumpcode ZC5923. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHBSZZV

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid

Explanation
CICS failed to install terminal termid because the TCTTE contained no node information block (NIB) descriptor.

System action
CICS continues. A system dump is taken with dumpcode ZC5924. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHBSZZV
XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid

Destination
CSMT

 DFHZC5925 E date time applid Deletion of connection cccc failed. Its AID-Chains are not empty

Explanation
CICS did not delete connection cccc because the AID-chains for the remote system cccc are not empty.

System action
CICS continues.

User response
Using the CEMT transaction, put the connection into service to allow the outstanding AIDs to be processed. Then take the connection out of service to allow deletion.

Module: DFHBSSA

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. cccc

Destination
CSMT

 DFHZC5926 E date time applid Install for connection cccc failed. CICS logic error

Explanation
CICS did not install the connection cccc because DFHZCP received no DATASTREAM operand.

System action
CICS continues. A system dump is taken with dumpcode ZC5926. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHBSSZ6

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. cccc

Destination
CSMT

 DFHZC5927 E date time applid Install for connection cccc failed. CICS logic error

Explanation
CICS did not install the connection cccc because DFHZCP did not receive a RECORDFORMAT operand.

System action
CICS continues. A system dump is taken with dumpcode ZC5927. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHBSSZ6

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. cccc

Chapter 2. CICS messages 2511
### DFHZC5930 E

**Remote connection (sysid) could not be deleted because it was in use by **number** sessions.**

**Explanation**

When remote connection sysid was being deleted, it was still in use by **number** of sessions.

**System action**

The resource is not deleted. CICS continues.

**User response**

Wait until access to this remote connection has quiesced and then retry the deletion.

**Module:**

DFHBSZ2

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. modename
5. sysid
6. number

### DFHZC5931 E

**Install for modename modename failed. Connection ccccc not found**

**Explanation**

CICS did not install a SESSIONS definition using MODENAME modename because of an unknown name ccccc in the CONNECTION parameter.

**System action**

CICS continues.

**User response**

Install connection ccccc.

**Module:**

DFHBSM62

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. modename
5. ccccc
DFHZC5933 E  date time applid Install for modename modename failed. Connection cccc is not valid here

Explanation
CICS did not install a SESSIONS definition using MODENAME modename because the CONNECTION is not valid in this context.

System action
CICS continues.

User response
Modify your definition of remote system cccc.

Module:
DFHBSM62

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. modename
5. cccc

Destination
CSMT

DFHZC5936 E  date time applid Install for modename modename failed. Connection cccc has active modegroup xxxx

Explanation
CICS has not installed a SESSIONS definition with MODENAME modename because the connection cccc already has an active MODEGROUP, xxxx.

System action
CICS continues.

User response
Put the connection briefly into service and then take it out of service again, using the CEMT transaction.

Module:
DFHBSM62

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. modename
5. cccc
6. xxxx

Destination
CSMT

DFHZC5934 E  date time applid Install for modename modename failed. Single-session connection cccc is already in use.

Explanation
CICS did not install a SESSIONS definition using MODENAME modename because the single-session CONNECTION cccc is already in use.

System action
CICS continues.

User response
Modify the definition of cccc.

Module:
DFHBSM61, DFHBSM62

XMEOUT parameters/Message inserts
1. date

Destination
CSMT

DFHZC5937 I  date time applid Deletion of modename modename found another deletion of it in progress

Explanation
CICS has not deleted a SESSIONS definition with MODENAME modename because the definition is already pending deletion.
**System action**

CICS continues.

**User response**

Check if a CEDA user was installing the SESSIONS definition.

**Module:**

DFHBSM62

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. modename

**Destination**

CSMT

DFHZC5938 E  date time applid Deletion of modename modename failed. Unable to delete session(s)

**Explanation**

CICS is unable to delete a SESSIONS definition with MODENAME modename because of one or more errors reported in previous messages.

**System action**

CICS continues processing, but the session or modegroup is not installed.

**User response**

Change the duplicated session-name or modegroup-name.

**Module:**

DFHBSMIR, DFHBSM62

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. name
5. sysid

**Destination**

CSMT

DFHZC5940 E  date time applid Install for terminal termid failed. Error console cannot be deleted

**Explanation**

You have tried to replace the error console, CERR. CICS does not allow this.

**System action**

CICS continues with original error console.

**User response**

Note this restriction.

**Module:**

DFHZCQDL
XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid

Destination

CSMT

DFHZC5941 E  

**Explanation**

CICS was unable to install terminal termid because the console consname has posted an ECB.

**System action**

Processing continues.

**User response**

Put the terminal briefly into service and then take it out of service again, using the CEMT transaction.

**Module:**

DFHBSTZO

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. consname

Destination

CSMT

DFHZC5942 E  

**Explanation**

CICS cannot install the definition of node nodeid because an addition to a TMP table failed. CICS was trying to add the key key to the table tablename.

The return code from TMP is given in return. If the return code is 4, the entry was a duplicate. It is possible that another entry was added at the same time as this entry and used the same key. If this is not the case, CICS has suffered a logic error. The module that issued the message is indicated by modname.

**System action**

CICS does not install the definition.

**User response**

If the entry was not overlapped by another definition which conflicted with its key, or if the return code is not 4, you will need assistance from IBM to resolve the problem. See Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHBSS, DFHBSTZ, DFHBSTZS, DFHBSTZZ, DFHBSTZ1, DFHBSTZ2

XMEOUT parameters/Message inserts

1. DATE
2. TIME
3. APPLID
4. nodeid
5. key
6. tablename
7. X'return'
8. modname

Destination

CSMT

DFHZC5943 E  

**Explanation**

CICS cannot delete the connection conname because it is an MRO connection and interregion communication (IRC) is open.

**System action**

The connection is not deleted.

**User response**

Close the IRC definition and retry the Delete or Replace.

**Module:**

DFHBSS
Module: DFHZC5944 E  
**Explanation**
CICS cannot install definition of type called id because it would make a loop of connection definitions. The connection type may be an indirect connection or a remote connection. Indirect connections point to other connections with the INDSYS field, and remote connections point to other connections with the REMOTESYSTEM field. The module that issued the message is identified by modname.

**System action**
CICS does not install the definition.

**User response**
Determine the source of the loop either in the already installed definitions or in this definition, and change it before attempting to reinstall this definition.

**Module:** DFHBSSZI, DFHBSTZ2

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Module: DFHZC5945 E  
**Explanation**
CICS has not deleted the SESSIONS definition, ssss, because the CONNECTION is still defined to IRC.

**System action**
CICS continues.

**User response**
Issue a CEMT SET IRC CLOSED command.

**Module:** DFHBSTZR

---

Module: DFHZC5946 E  
**Explanation**
CICS has not installed the SESSIONS definition, ssss, because the CONNECTION is already defined to IRC.

**System action**
CICS continues.

**User response**
Issue a CEMT SET IRC CLOSED command.

**Module:** DFHBSTZR
Destination
CSMT

**DFHZC5947 E**

*date time applid Install for sessions ssss failed. CICS logic error*

**Explanation**
CICS has not installed the SESSIONS definition, ssss, because the CONNECTION name is not specified.

**System action**
CICS continues. A system dump is taken with dumpcode ZC5947. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHBSMIR, DFHBSTZR

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *ssss*

**Destination**
CSMT

**DFHZC5948 E**

*date time applid Install for sessions ssss failed. Connection cccc is not suitable for IRC*

**Explanation**
CICS has not installed the SESSIONS definition, ssss, because the CONNECTION specified is not suitable for IRC.

**System action**
CICS continues.

**User response**
Modify your definition of cccc.

**Module:**
DFHBSMIR, DFHBSTZS, DFHBSTZR

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *ssss*
5. *ccc*

**Destination**
CSMT

**DFHZC5949 E**

*date time applid Install for sessions ssss failed. It is incompatible with connection cccc*

**Explanation**
CICS has not installed the SESSIONS definition, ssss, because the CONNECTION specified does not support the required type of session. If you are replacing a connection of the same name but of a different type and the install fails for some other reason then this message may occur.

**System action**
CICS continues.

**User response**
Modify your definition of cccc.

**Module:**
DFHBSMIR, DFHBSTZS, DFHBSTZR

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *ssss*
5. *ccc*

**Destination**
CSMT

**DFHZC5950 E**

*date time applid Install for terminal termid failed. Console consname already exists*
Explanation
CICS has not installed the CONSOLE definition termid because the console ID, consname, already exists.

System action
CICS continues without installing the terminal.

User response
Use the CEDA transaction to define a different console ID in the CONSNAME of the terminal definition and reinstall the terminal.

Module: DFHBSTZO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. consname

Destination
CSMT

DFHZC5951 E date time applid Deletion of connection sss failed. Unable to delete sessions

Explanation
CICS has not deleted the CONNECTION definition, sss, because it cannot delete one or more sessions. A preceding message or messages should explain this failure.

System action
CICS continues.

User response
Refer to the preceding message for further information and guidance.

Module: DFHBSSZR, DFHBSSZ6

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid

Destination
CSMT

DFHZC5952 E date time applid Deletion of terminal termid failed. It needs to be SET RELEASED

Explanation
CICS cannot delete terminal termid because of its current state.

System action
CICS continues.

User response
Use the CEMT transaction to set terminal termid released and out of service.

Module: DFHBSTZV

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid

Destination
CSMT

DFHZC5953 E date time applid CICS logic error

Explanation
An object being installed did not have a bind-image.

System action
CICS continues. A system dump is taken with dumpcode ZC5953. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHBSSM62
XMEOUT parameters/Message inserts

1. date
2. time
3. applid

Destination
CSMT

DFHZC5954 E  date time applid Install for resource resource failed. Unable to install sessions component

Explanation
CICS has failed to install resource resource. Previous message(s) should give the reason for the failure.

System action
CICS continues.

User response
Refer to any preceding messages for further information and guidance.

Module:
DFHBSTZC

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. resource

Destination
CSMT

DFHZC5957 E  date time applid Arch. User-Data ID X'xx occurs in bind. CICS logic error

Explanation
The APPC SESSIONS object being installed is invalid because architected user-data IDs greater than X'02' occur in bind.

System action
CICS does not install the object. A system dump is taken with dumpcode ZC5957. Message DFHME0116, which contains the symptom string for this problem, is produced. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

User response:

Module:
DFHBSM62

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. xx

Destination
CSMT

DFHZC5958 E  date time applid Install failed for xxxx. This is the name of the local system which must not be replaced.

Explanation
A terminal or a connection was defined with the same name as the local system entry during the last run of CICS. This is not allowed as the local system entry cannot be replaced.

During cold or initial start of the current run of CICS, CICS attempted to install the group which included the invalid definition. CICS then issued this message.

System action
CICS continues, but this terminal or connection is not installed.

User response
Use the CEDA transaction to correct the terminal or connection name and install the group.

Module:
DFHBSSZL

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. xxxx

Destination
CSMT
DFHZE5961 E  

**Deletion of surrogate xxxx failed. CICS logic error**

**Explanation**

CICS cannot delete a surrogate TCT entry.

**System action**

CICS continues. A system dump is taken with dumpcode ZC5961. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHBSTZ1, DFHBSTZ2

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. xxxx

**Destination**

CSMT

**DFHZC5963 E  

**Install for resource resource failed. CICS logic error.**

**Explanation:**

CICS has failed to install resource resource because the MODENAME parameter is missing.

**System action**

CICS continues.

**User response**

Supply the missing parameter.

**Module:**

DFHBSTZ2

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. operation
5. xxxx
6. termid
7. yyyy

**Destination**

CSMT

**DFHZC5964 E  

**Install for sessions ssss failed. CICS logic error.**

**Explanation:**

CICS has failed to install SESSIONS ssss because the length of the BINDPASSWORD exceeds the limit of 8.

**System action**

CICS continues. A system dump is taken with dumpcode ZC5964. Message DFHME0116, which
contains the symptom string for this problem, is produced.

**User response**

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHBSSZS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. ssss

**Destination**

CSMT

DFHZC5965 DATE TIME APPLID Pool delete for pool poolid failed. Terminal termid was being replaced at the same time.

**Explanation**

CICS failed in an attempt to install or delete POOL definition poolid. A terminal termid in the pool was being deleted at the same time as the pool was being installed or deleted. This probably due to changing the terminal from a pooled terminal to a non-pooled terminal, or changing the pool name for a terminal in the same group. CICS cannot continue to modify the pool until the change to the terminal has completed.

**System action**

CICS continues.

**User response**

Once the deletion or modification of the terminal has succeeded, retry the installation.

**Module:**

DFHBSMPP

**XMEOUT parameters/Message inserts**

1. DATE
2. TIME
3. APPLID
4. poolid

5. termid

**Destination**

CADL

DFHZC5966 I date time applid {INSTALL | DELETE | RESTORE} started for resource (termid) (Module name: modname).

**Explanation**

CICS is starting to install, delete or restore resource. The resource may be either a terminal, a connection, a modegroup, a session, or a pool_entry. Other messages are issued after this one if this installation, deletion or restoration fails.

**System action**

CICS continues.

**User response**

None.

**Module:**

DFHBSTZ, DFHBSMPP, DFHBSM62, DFHBSS, DFHBSMIR

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. Value chosen from the following options:
   1=INSTALL,
   2=DELETE,
   3=RESTORE
5. resource
6. termid
7. modname

**Destination**

CADL

DFHZC5967 E date time applid Install for modename modename failed. Unable to install sessions
CICS has failed to install a SESSIONS definition using MODENAME modename. Previous message(s) should give the reason for the failure.

System action
CICS continues.

User response
Refer to the preceding message for further information and guidance.

Module:
DFHBSM61

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. modename

Destination
CSMT

DFHZC5968 E   date time applid Deletion of dependent modename(s) failed for connection modename

Explanation
CICS has failed to install a CONNECTION definition for MODEGROUP modename. Previous message(s) should give the reason for the failure.

System action
CICS continues.

User response
Refer to any preceding messages for further information and guidance.

Module:
DFHBSSZS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. modename

Destination
CSMT

DFHZC5969 E   date time applid Unable to install LU Services Manager for modename modename

Explanation
CICS has failed to replace a CONNECTION definition for MODEGROUP modename. Previous message(s) should give the reason for the failure.

System action
CICS continues.

User response
Refer to any preceding messages for further information and guidance.

Module:
DFHBSSZS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. modename

Destination
CSMT

DFHZC5971 E   date time applid Delete of resource resource failed. CICS logic error

Explanation
CICS failed to delete resource resource because of an unexpected signon state during the destroy operation.

System action
CICS continues. A system dump is taken with dumpcode ZC5971. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHBSTS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. resource

**Destination**

CSMT

DFHZC5972 E  

**Explanation**

CICS failed to delete a TERMINAL or SESSIONS resource resource because a terminal or session is still signed on.

**System action**

CICS continues.

**User response**

Delete some sessions in modename, or redefine modename with a higher maximum session-count.

**Module:**

DFHBSTZS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. ssss
5. modename

**Destination**

CSMT

DFHZC5973 E  

**Explanation**

CICS failed to delete a SESSIONS definition ssss because the maximum session-count was reached for MODENAME modename.

**System action**

CICS continues.

**User response**

Refer to any previous messages for further guidance and information.

**Module:**

DFHSPPS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. pppp

**Destination**

CSMT

DFHZC5974 E  

**Explanation**

CICS failed to delete a POOL pppp. Previous messages(s) should explain the cause of this failure.

**System action**

CICS continues.

**User response**

Refer to any previous messages for further guidance and information.
**DFHZC5975 E**  
*date time applid*  
Install for resource *pppp* failed. CICS logic error

**Explanation**  
CICS failed to install the POOL definition *pppp* because the required POOLID parameter was missing. This is a CICS logic error (probably in DFHTRZPP).

**System action**  
CICS continues. A system dump is taken with dumpcode ZC5975. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**  
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:** DFHBSMPP, DFHBSTZP

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *pppp*

**Destination**  
CSMT

**DFHZC5976 E**  
*date time applid*  
Failure building pool entries

**Explanation**  
CICS failed to install a POOL definition, because of a failure in building pool entries. Previous messages should explain the cause of this failure.

**System action**  
CICS continues.

**User response**  
Refer to any previous messages for further information and guidance.

**Module:** DFHBSMPP

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*

**Destination**  
CSMT

**DFHZC5977 E**  
*date time applid*  
Unable to replace pool *pppp*

**Explanation**  
CICS failed in an attempt to install or delete a POOL definition. Previous messages should explain the cause of this failure.

**System action**  
CICS continues.
User response
Refer to previous messages for further information and guidance.

Module:
DFHBSMPP, DFHBSTZP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. pppp

Explanation
The resource resource is in use. taskid is the task number, and tranid is the transaction ID.

System action
CICS continues.

User response
Wait for the termination of task taskid, and retry the operation.

Module:
DFHBSS, DFHBSSZ, DFHBSTZ, DFHBSTZ1, DFHBSTZ2, DFHBSTZS, DFHBSTZZ, DFHBSTZ2V

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. resource
5. taskid
6. tranid

Destination
CSMT

DFHZC5981 E  date time applid  Pool pppp not found

Explanation
CICS has failed to install a resource because POOL pppp does not exist. Previous messages should explain the cause of this failure.

System action
CICS continues.

User response
Refer to the previous messages for further information and guidance.

Module:
DFHBSTZP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CSMT

DFHZC5980 E  date time applid  Resource resource is in use by task taskid Transaction tranid
Destination
CSMT

DFHZZC5982 E  date time applid Deletion of pool pppp failed. Pool entry is in use for termid

Explanation
CICS has failed to delete POOL pppp because the pool still has an entry in use for terminal termid.

System action
CICS continues.

User response
Put the terminal out of service (using the CEMT transaction) and retry.

Module:
DFHBSSMPP

XMEOUT parameters/Message inserts
1. date
derivedpaths
2. time
derivedpaths
3. applid
derivedpaths
4. pppp
5. termid

Destination
CSMT

DFHZZC5983 E  date time applid Unable to replace resource

Explanation
CICS failed to install resource resource either because it already exists, or for reasons explained in previous messages.

Possible causes are:
• Non-VTAM and VTAM terminals defined with the same name. If a non-VTAM terminal is installed, CICS will not autoinstall a VTAM terminal with the same name.
• An attempt to replace your own terminal, or a terminal with the same name as the terminal being used to issue the CEDA command.

System action
CICS continues but reverses the effects of the installation or deletion.

User response
Wait until the other task has completed then retry the action.

Module:
DFHBSTZ, DFHBSTZ1, DFHBSTZ2, DFHBSSZI

• An attempt to replace a terminal with the same REMOTENAME and REMOTESYSTEM as an earlier definition in the same group.
XMEOUT parameters/Message inserts
1. DATE
2. TIME
3. APPLID
4. restype1
5. resname1
6. taskname
7. taskid
8. sysname
9. modname

Destination
CSMT

DFHZC5985 E  date time applid Install for resource resource failed. Unable to install connection component

Explanation
CICS has failed to install resource resource. Previous message(s) should give the reason for the failure.

System action
CICS continues.

User response
Refer to previous messages for further information and guidance.

Module:
DFHBSTZC

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. resource

Destination
CSMT

DFHZC5986 E  date time applid CICS logic error

Explanation
Either the warm keypoint program (DFHWKP), or the query transaction (DFHQRY), made an invalid request which could not be implemented.

System action
CICS continues but reverses this install or delete.

User response
Wait until the other task has completed and then retry the action.

Module:

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XMEOUT parameters/Message inserts

1. DATE
2. TIME
3. APPLID
4. restype1
5. resname1
6. taskname
7. taskid
8. restype2
9. resname2
10. modname

Destination
CSMT

DFHZC5988 E date time applid Install for resource resource failed. VTAM support not generated

Explanation
CICS failed to install resource resource because CICS was initialized without VTAM support.

System action
CICS continues.

User response
If you want to install VTAM resources urgently, shut down CICS, and restart it with the system initialization parameter VTAM=YES, and appropriate RDO terminal definitions.

Module:
DFHBSSSZS, DFHBSSSZ6, DFHBSTZV

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. resource

Destination
CSMT

DFHZC5989 E date time applid Deletion of resource resource failed. Remote deletion in connection cccc failed

Explanation
CICS failed to delete resource resource because a remote delete in system cccc failed.

Previous messages should explain the cause of this failure.

System action
CICS continues.

User response
Refer to the previous message for further information and guidance.

Module:
DFHBSTZ1, DFHBSTZ2

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. resource
5. cccc

Destination
CSMT

DFHZC5990 E date time applid CICS logic error

Explanation
CICS rejected an INSTALL or DELETE request because it does not recognize the request code.

System action
CICS continues. A system dump is taken with dumpcode ZC5990. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHZNQ00
XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CSMT

**DFHZC5991 E**

**Explanation**
CICS rejected a VALIDATE BIND request because no BIND was supplied.

**System action**
CICS continues. A system dump is taken with dumpcode ZC5991. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHZCQ00

---

**DFHZC5992 E**

**Explanation**
CICS rejected a RESTORE request because the resource types table (DFHZCQRT) in DFHZCQ is incompatible with the recovery record from the log or CICS catalog.

**System action**
CICS continues. A system dump is taken with dumpcode ZC5992. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHZCQRS

---

**DFHZC5993 E**

**Explanation**
CICS rejected a RESTORE request because the resource types table (DFHZCQRT) in DFHZCQ is incompatible with the recovery record from the log or CICS catalog.

**System action**
CICS continues. A system dump is taken with dumpcode ZC5993. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHZCQRS

---

**DFHZC5994 E**

**Explanation**
CICS rejected a RESTORE request because the resource types table (DFHZCQRT) in DFHZCQ is incompatible with the recovery record from the log or CICS catalog.

**System action**
CICS continues. A system dump is taken with dumpcode ZC5994. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHZCQRS

---
Explanation
CICS rejected a RESTORE request because no recovery record was passed.

System action
CICS continues. A system dump is taken with dumpcode ZC5994. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHZCQRS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CSMT

DFHZC5995 E  date time applid CICS logic error

Explanation
CICS failed to install a resource with resource type code (RTC) xxxx and subtype yyyy (from the Builder Parameter Set) because a resource with type code xxxx, sub-type yyyy, and the associated BIND-image, is not a builder resource type. The RTC and subtype are defined in module DFHZCQRT.

This is a CICS logic error (probably in DFHTRZxP).

System action
CICS continues. A system dump is taken with dumpcode ZC5995. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHZCQIS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. xxxx
5. yyyy

Destination
CSMT

DFHZC5996 E  date time applid CICS logic error

Explanation
CICS has rejected an INSTALL request because the resource type code in the request is zero.

System action
CICS continues. A system dump is taken with dumpcode ZC5996. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHZCQIS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid

Destination
CSMT

DFHZC5997 E  date time applid CICS logic error

Explanation
CICS has rejected an INQUIRE request because no TCT entry was passed.

System action
CICS continues. A system dump is taken with dumpcode ZC5997. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.
**System action**

CICS continues. A system dump is taken with dumpcode ZC5997. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHZCQIQ

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid

**Destination**

CSMT

**Explanation**

If DFHZCQCH issues this message, CICS has rejected a CATALOG request because the required entry parameter was not passed.

If DFHZCQDL issues this message, CICS has rejected a DELETE request because the required entry parameter was not passed.

**System action**

CICS continues. A system dump is taken with dumpcode ZC5997. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**
DFHZCQCH, DFHZCQDL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid

**Destination**

CSMT

**Explanation**

CICS rejected a DELETE request because the entry passed is of a type that cannot be deleted, for example, a non-VTAM terminal.

**System action**

CICS continues.

**User response**

The failing delete/replace was necessitated by an INSTALL request. Correct the resource type in that request.

**Module:**
DFHZCQCH, DFHZCQDL

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid

**Destination**

CSMT

**Explanation**

While executing a request, CICS table builder services detected a severe error. The error is identified by the error code code and the module modname.

**System action**

CICS rejects the request and takes a dump. CICS writes an exception trace record identified by code, then issues message DFHZC6208 either to the user of the CEDA transaction, or if the request did not originate from CEDA, to the CSMT transient data queue Message DFHME0116, which contains the symptom string for this problem, is produced.
User response
This failure indicates either an error in CICS, or a storage overlay. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHTBSB, DFHTBSL, DFHTBSBP, DFHTBSDP, DFHTBSD, DFHTBSLP, DFHTBSS

XMEOUT parameters/Message inserts
1. applid
2. modname
3. X’code'

Destination
Console

DFHZC6202 E date time applid Pattern pattern not valid for builder

Explanation
While executing a request, CICS table builder services has detected that the pattern pattern cites a builder that is not declared with DFHBSHDR(ENTRY). pattern is the name of the pattern as coded in the DFHBSPTTE macro.

System action
CICS rejects the request. A system dump is taken with dumpcode ZC6202. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHTBSB, DFHTBSDP

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. pattern

Destination
CSMT

DFHZC6205 E date time applid Illegal subpattern definition pattern

Explanation
While executing a request, CICS table builder services has detected that the subpattern pattern cites a builder that is not declared with DFHBSHDR(ENTRY). pattern is the name of the subpattern as coded in the DFHBSPTTE macro.

System action
CICS rejects the request. A system dump is taken with dumpcode ZC6205. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHTBSB, DFHTBSL, DFHTBSQ, DFHTBSR
DFHZC6207 E  

**date** **time** **applid** Catalog key too long or zero. Pattern **pattern**

**Explanation**

While executing a request, CICS table builder services has detected that builder cited in the pattern **pattern** has returned an invalid CC key on MAKEKEY. **pattern** is the name of the pattern as coded in the DFHBSPTET macro.

**System action**

CICS rejects the request. A system dump is taken with dumpcode ZC6207. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

**Module:**

DFHTBSBP, DFHTBSDP, DFHTBSL

**XMEOUT parameters/Message inserts**

1. **date**
2. **time**
3. **applid**
4. **pattern**

**Destination**

CSMT
User response

This failure indicates either an error in CICS, or a storage overlay. If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHTBSB, DFHTBSD, DFHTBSBP, DFHTBSDP, DFHTBSL, DFHTBSLP, DFHTBSS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. modname
5. X'code'

Explanation

While executing a BUILD, a DESTROY or a RESTORE request, CICS table builder services could not obtain storage for a control block. The control block could be a RRAB, a RABN, an action_block, a recovery record, or a recovery segment. The error code code identifies the element that could not be obtained by the module modname.

System action

CICS rejects the request. It has already written an exception trace record identified by code.

User response

This failure may be a symptom of a expanded dynamic storage area (EDSA) that is too small. If so, you can solve the problem by increasing the size of your CICS region. For guidance on estimating the size of the DSA and the CICS region, see the Configuring and the Improving performance. You can identify which control block that could not be obtained by formatting the exception trace record.

The failure may also be caused by an error in another transaction, for example, a looping program with an EXEC CICS GETMAIN within the loop.

Module:
DFHTBSB, DFHTBSD, DFHTBSL, DFHTBSBP, DFHTBSDP, DFHTBSLP, DFHTBSS

Destination

CSMT

DFHSC6209 E  date time applid Invalid ZC catalog request code xxxx

Explanation

While executing a request, CICS table builder services has detected that the code, xxxx, for a catalog request is invalid.

System action

CICS rejects the request. A system dump is taken with dumpcode ZC6209. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response

If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

Module:
DFHTBSL

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. xxxx

Destination

CSMT

DFHSC6212 E  date time applid Level mismatch with catalog record. DFHBS xxx
While executing a request during a warm or emergency start, CICS Table Builder Services has detected that the CC record is not compatible with the pattern it names. xxx is the builder ID.

**System action**
CICS rejects the request.

**User response**
The CC record was probably written by an earlier level of CICS. That is, you have applied one or more PTF maintenance fixes to the system since the CC record was written. Assuming this is the case, you must either:
- Cold or initial start CICS, or
- Remove the maintenance to enable a warm start or emergency restart.

**Module:**
DFHTBSR, DFHTBSRP

---

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. xxx

**Destination**
CSMT

**Explanation**
While processing a RESTORE request, CICS Table Builder Services detected an error reported in a previous message. key is the catalog key for the abandoned record, or, if the key is unknown to CICS, key is the single character ?.

**System action**
See the previously issued message for the cause of the problem, and follow the recommended user action.

**User response:**

**Module:**
DFHTBSR

---

While processing a CATALOG request, CICS Table Builder Services could not obtain recovery record storage.

**System action**
CICS rejects the request.

**User response**
This failure may be a symptom of a dynamic storage area (DSA) that is too small. If so, you can solve the problem by increasing the size of your CICS region. For advice on estimating the size of the DSA and the CICS region, see the Configuring and the Improving performance.

The failure may also be caused by an error in another transaction, for example, a looping program with an EXEC CICS GETMAIN within the loop.

**Module:**
DFHTBSLP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid

**Destination**
CSMT

**Explanation**
While processing a RESTORE request, CICS Table Builder Services has detected that the CC record is not compatible with the pattern it names. xxx is the builder ID.

**System action**
CICS rejects the request.

**User response**
The CC record was probably written by an earlier level of CICS. That is, you have applied one or more PTF maintenance fixes to the system since the CC record was written. Assuming this is the case, you must either:
- Cold or initial start CICS, or
- Remove the maintenance to enable a warm start or emergency restart.

**Module:**
DFHTBSR, DFHTBSRP

---

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. key

**Destination**
CSMT

**Explanation**
While processing a CATALOG request, CICS Table Builder Services could not obtain recovery record storage.

**System action**
CICS rejects the request.

**User response**
This failure may be a symptom of a dynamic storage area (DSA) that is too small. If so, you can solve the problem by increasing the size of your CICS region. For advice on estimating the size of the DSA and the CICS region, see the Configuring and the Improving performance.

The failure may also be caused by an error in another transaction, for example, a looping program with an EXEC CICS GETMAIN within the loop.

**Module:**
DFHTBSLP

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid

**Destination**
CSMT

**Explanation**
While processing a CATALOG request, CICS Table Builder Services could not obtain recovery record storage.
Explanation
The RDO definition for a resource of type restype1 named resname1 could not be installed because of an error. This causes the installable set of RDO definitions associated with restype2 named resname2 to be backed out.

The resource type of the definition that failed restype1 can be connection, session, modegroup, pool, or pooled terminal. The resource type of the associated definition restype2 can be connection, or a pool_name for pipeline terminals.

System action
CICS backs out the installation of the set of associated RDO definitions and continues without them.

User response
Correct the reason for the failure of the definition, identified by previous DFHZXnnnn messages, and then retry the install.

Module:
DFHTBSB

XMEOUT parameters/Message inserts
1. DATE
2. TIME
3. APPLID
4. restype1
5. resname1
6. restype2
7. resname2

Destination
CSMT

DFHZC6301 E date time applid Install for tttt failed. Duplicate netname netname for resource rrrr found.

Explanation
A resource tttt was being installed but was found to have the same network name netname as resource rrrr.

System action
The resource is not installed, CICS continues.

User response
If you want the definitions to be installed, use CEDA to correct the network name and reinstall the definition.

Module:
DFHBSTZV

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. tttt
5. netname
6. rrrr

Destination
CSMT

DFHZC6302 E date time applid Install for connection cccc failed. Duplicate netname netname for resource rrrr found.

Explanation
A connection cccc was being installed but was found to have the same network name netname as resource rrrr.

System action
The resource is not installed, CICS continues.

User response
You cannot have an APPC connection with the same network name as another APPC connection or an LU6.1 connection. That is, you cannot have more than one APPC connection between two systems and an APPC connection cannot be installed with an LU6.1 connection between two systems.

Neither APPC or LU6.1 network names can be the same as a terminal’s network name.

Also you cannot have an IRC (or XM) connection with the same network name as another IRC (or XM) connection. However, an IRC network name can be the same as any VTAM network name (APPC or LU61 connection or terminal).

If you want the definitions to be installed, use CEDA to correct the network name and then reinstall the definition.
If you need to replace a connection with a different network name, it must have the same connection name as the one you are replacing.

**Module:**
DFHBSS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. cccc
5. netname
6. rrrr

**Destination**
CSMT

**DFHZC6303 E**

*date time applid* Install for *tttt* failed. Duplicate netname *netname* found.

**Explanation**
A resource *tttt* was being installed but was found to have a duplicate network name *netname*.

This message occurs:
- If the duplicate NETNAME occurred in the same group as this definition, or
- If two CEDA transactions were run at the same time and the other CEDA transaction added a NETNAME between the BUILD and CONNECT routines of DFHBSTZV.

**System action**
The resource is not installed; CICS continues.

**User response**
If you want the definitions to be installed, use CEDA to correct the network name and then reinstall the definition.

**Module:**
DFHBSTZ

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid

**Destination**
CSMT

**DFHZC6305 E**

*date time applid* Install for EXCI generic connection *cccc* failed. Duplicate EXCI generic connection *rrrr* found.

**Explanation**
A connection *cccc* specifying protocol(exci) and conntype(generic) was being installed but an existing EXCI generic connection *rrrr* was found.

**System action**
The resource is not installed. CICS continues.
User response

There can be only one EXCI generic connection installed in a CICS system. Determine which EXCI generic connection definition is required and remove the duplicate definition.

If you need to replace the EXCI generic connection definition, it must have the same connection name as the one you are replacing.

Module:
DFHBSS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. cccc
5. netname

Destination
CSMT

DFHZC6308 E  date time applid Restore for connection cccc failed. Netname netname is the same as the generic resource name.

Explanation

During an emergency or warm restart CICS tried to restore connection cccc. However its netname netname is the same as the generic resource name for this CICS (as defined in the GRNAME system initialization parameter).

This is probably because the GRNAME specified in the SIT has been changed. It should only be changed at INITIAL start time.

System action
Processing continues. The resource is not installed.

User response

If this connection is for communication within a sysplex, use CEDA to change the NETNAME to the member name of the connection with which you wish to communicate.

If this is for communication between two sysplexes, change the NETNAME to the generic resource name of the partner sysplex.

If you need to change the GRNAME parameter, remember to do so only during an INITIAL start.

Module:
DFHBSS

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. cccc
5. netname
**Destination**
CSMT

**DFHZC6312 E**  
*date time applid* Install for connection cccc failed. An IPCONN with this name already exists and its applid is not netname.

**Explanation**
A CONNECTION cccc install failed because there is already an IPCONN of this name installed in the system and its APPLID is not the same as the NETNAME netname of this CONNECTION. This is not permitted.

**System action**
The resource is not installed. CICS continues.

**User response**
An IPCONN and a CONNECTION of the same name must represent a link to the same system, so either the IPCONN APPLID or the CONNECTION NETNAME is incorrect. Establish which of these is the case and re-install with the correct value.

**Module:**  
DFHBSS

---

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *cccc*
5. *netname*

---

**Destination**
CSMT

**DFHZC6315 E**  
*date time applid* User userid is not authorized to install terminal tttt with preset security.

**Explanation**
User userid was attempting to install terminal tttt but the userid does not have sufficient authority. This is because the terminal has preset authority (the definition for terminal tttt specifies a userid value.) Installing a resource with preset security requires special authorization.

**System action**
The resource is not installed, CICS continues.

**User response**
In order to install this resource, do one of the following:
- Use the CESN transaction to sign on with a userid that is permitted to install terminals with preset security.
- Ask your security administrator to authorize userid userid to install terminals with preset security. See the Configuring for guidance.
- Remove the USERID specification from the resource definition and install the resource without preset security.

**Module:**  
DFHBSTS

---

**DFHZC6330 E**  
*date time applid* Install for tttt failed. LDCLIST parameter ldclist not found.

**Explanation**
A resource tttt was being installed but was found to have an invalid LDCLIST ldclist.

**System action**
The resource is not installed, CICS continues.

**User response**
If you want the definition to be installed, use the DFHTCT TYPE=LDCLIST macro to define the listname.

**Module:**  
DFHBSTBL
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tttt
5. ldclist

**Destination**

CSMT

**DFHZC6331 E**  
date time applid Install for connection tttt failed. Non-VTAM terminal with same name already exists.

**Explanation**

A connection tttt was being installed but a non-VTAM terminal with the same name already exists.

**System action**

The resource is not installed; CICS continues.

**User response**

Change the name of the connection and reinstall.

**Module:** DFHBSTZ

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. tttt

**Destination**

CSMT

**DFHZC6332 E**  
date time applid Install for terminal tttt failed. Non-VTAM terminal with same name already exists.

**Explanation**

A terminal tttt was being installed but a non-VTAM terminal with the same name already exists.

**System action**

The resource is not installed; CICS continues.

**User response**

Find the offending builder parameter set and set ZC_MAXSESS_1 to a minimum value of 1.

**Module:** DFHBSM61

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. modename

**Destination**

CSMT

**DFHZC6334 E**  
date time applid Install for connection tttt failed. A session with the same name already exists.
**Explanation**
A connection *tttt* was being installed but a session with the same name already exists.

**System action**
The resource is not installed; CICS continues.

**User response**
Change the name of the connection and reinstall.

**Module:**
DFHBSS

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *tttt*

**Destination**
CSMT

**Explanation**
CICS has detected an error in delete processing for termid. Module name: *modname*.

**System action**
A system dump is taken, the TCTTE is deleted and CICS continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
If you need further assistance from IBM to resolve this problem, see Working with IBM to solve your problem for guidance on how to proceed.

It would aid IBM support if you used the system dump to determine why TIOAs are still chained to the TCTTEs. The TIOAs are normally freemained before deletion.

Answers to the following questions would also be helpful:
- Is this a shipped TCTTE?
- Why is the TCTTE being deleted?

**Module:**
DFHBST

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *termid*
5. *modname*

**Destination**
CWL

**Explanation**
CICS has detected a loop or ABEND in module *bymodule* by module *inmodule*.

**System action**
CICS issues message DFHZC0001 if an abend is detected or DFHZC0004 if a loop is detected. The install or delete being performed is backed out. CICS continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
See the associated message for more guidance.

**Module:**
DFHBSTM61 DFHBSTZS, DFHBSTZR

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *inmodule*
5. *bymodule*

**Destination**
CWL

**Explanation**
The type session name BITMAP was corrupt and
has been rebuilt. Error code: AP FB05.

Explanation
A connection was being installed but the APPC or MRO session name BITMAP which is used to create a session name, was corrupt. The corrupt BITMAP has been rebuilt.

The APPC session name BITMAP is always used for an APPC session, however the MRO session name BITMAP is only used if the session name is prefixed with '<' or '>'.

System action
A dump is taken with dumpcode ZC6350. Trace point ID AP X'FB05' is produced. The install continues. CICS continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

User response
Use the dump provided to determine the cause of the storage overwrite. See the Troubleshooting and support for guidance on dealing with storage problems.

Module:
DFHZGBM

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. type

Destination
CSMT

DFHZC6360 W date time applid A GETMAIN failed to obtain storage for a message set.

Explanation
A ZCP install has failed. This would normally result in a message being issued. However, the GETMAIN attempting to obtain storage from the CDSA for use as a message area has failed. This means that there is no more free storage available in the CDSA.

System action
The resource could not be installed or signed on with preset userid userid because the userid is not known to the external security manager (ESM).

User response
Correct the userid, or contact your security administrator to have the unknown userid added to your ESM. Then either reinstall the resource definition, or attempt to send a command to CICS via this console.

Module:
DFHBSTS, DFHBSTZO
**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. Value chosen from the following options:
   - 1=Install,
   - 2=Signon
5. Value chosen from the following options:
   - 1=netname ,
   - 2=console ,
   - 3=terminal
6. portname
7. userid

**Destination**

CSMT

DFHZC6362 E  

| date | time | applid {Install | Signon} | for {netname | console | terminal} | portname with userid userid failed because the preset userid has been revoked. |

**Explanation**

The resource could not be installed or signed on with preset userid userid because the userid has been revoked by the external security manager (ESM).

**System action**

CICS continues.

**User response**

Contact your security administrator who can restore the access of the preset userid to its group by issuing the CONNECT RESUME function. Then reinstall the resource definition or try another command from the console.

**Module:**

DFHBTST, DFHBTZTO

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. Value chosen from the following options:
   - 1=Install,
   - 2=Signon
5. Value chosen from the following options:
Destination
CSMT
DFHZC6364 E  
date time applid {Install | Signon} for {netname | console | terminal} portname with userid userid failed because the external security manager returned an unrecognized response.

Explanation
The resource could not be installed or signed on with preset userid userid because of unexpected return codes from the external security manager (ESM).

System action
CICS continues. Either message DFHSN1401 or DFHSN1801 is issued.

User response
See the accompanying message for further guidance. Reinstall the resource definition or try another command from the console when you have corrected the problem.

Module:
DFHBSTS, DFHBSTZO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=Install,
   2=Signon
5. Value chosen from the following options:
   1=netname,
   2=console,
   3=terminal
6. portname
7. userid

Destination
CSMT
DFHZC6365 E  
date time applid {Install | Signon} for {netname | console | terminal} portname with userid userid failed because the external security manager is inactive.

Explanation
The resource could not be installed or signed on with preset userid userid because the external security manager (ESM) is no longer active.

System action
CICS continues.

User response
Contact your security administrator to restart the ESM. Reinstall the resource definition or try the command from a console again when the ESM is active again.

Module:
DFHBSTS, DFHBSTZO

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=Install,
   2=Signon
5. Value chosen from the following options:
   1=netname,
   2=console,
   3=terminal
6. portname
7. userid
failed because the userid is not authorized to access this CICS system.

**Explanation**
The resource could not be installed or signed on with a preset userid because the preset userid is not authorized to use application **applid**.

**System action**
CICS continues.

**User response**
Contact your security administrator who can authorize the preset userid to access the application **applid** by issuing the PERMIT function for the APPL resource class. Then reinstall the resource definition or try the command again from the console.

**Module:**
DFHBSTS, DFHBSTZO

**EXMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=Install,
   2=Signon
5. Value chosen from the following options:
   1=netname, 2=console, 3=terminal
6. termid
7. userid

**Destination**
CSMT

**Explanation**
The resource could not be installed or signed on with preset userid **userid** because the security label associated with the userid in the external security manager (ESM) does not have the necessary authority.

**System action**
CICS continues.

**User response**
Contact your security administrator to assign a new security label to the preset userid. Then reinstall the resource definition or try the command from the console again.

**Module:**
DFHBSTS, DFHBSTZO

**EXMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=Install,
   2=Signon
5. Value chosen from the following options:
   1=netname, 2=console, 3=terminal
6. termid
7. userid

**Destination**
CSMT

**Explanation**
The resource could not be installed or signed on with preset userid **userid** because the external security manager is quiesced.

The resource could not be installed or signed on with preset userid **userid** because the security label associated with the userid in the external security manager does not have the necessary authority.

**System action**
CICS continues.

**User response**
Contact your security administrator to assign a new security label to the preset userid. Then reinstall the resource definition or try the command from the console again.

**Module:**
DFHBSTS, DFHBSTZO

**EXMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=Install,
   2=Signon
5. Value chosen from the following options:
   1=netname, 2=console, 3=terminal
6. termid
7. userid

**Destination**
CSMT

**Explanation**
The resource could not be installed or signed on with preset userid **userid** because the external security manager is quiesced.

The resource could not be installed or signed on with preset userid **userid** because the external security manager (ESM) has been placed in a "tranquil" state and is not allowing new users to be added to the system.
**System action**
CICS continues.

**User response**
Contact your security administrator to establish when the ESM will be fully available again. When it is, reinstall the resource definition or try the command from the console again.

**Module:**
DFHBSTS, DFHBSTZO

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=Install,
   2=Signon
5. Value chosen from the following options:
   1=netname ,
   2=console ,
   3=terminal
6. portname
7. langcode

**Destination**
CSMT

**DFHZC6369 E**
`date time applid {Install | Signon} for {netname | console | terminal} portname failed because national language langcode is invalid.`

**Explanation**
The resource could not be installed or signed on because the national language langcode specified in the resource definition is not recognized.

**System action**
CICS continues.

**User response**
Change the national language in the resource definition to one that has been initialized. Then reinstall the resource definition.

**Module:**
DFHBSTS, DFHBSTZO, DFHZSGN

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=Install,
   2=Signon
5. Value chosen from the following options:
   1=netname ,
   2=console ,
   3=terminal
6. portname
7. langcode

**Destination**
CSMT

**DFHZC6370 E**
`date time applid {Install | Signon} for {netname | console | terminal} portname failed because national language langcode is unavailable.`

**Explanation**
The resource could not be installed or signed on because the national language langcode specified in the resource definition is not supported in this run of CICS.

**System action**
CICS continues.

**User response**
Change the national language on the resource definition to a valid value and reinstall the resource definition.
4. Value chosen from the following options:
   1=Install,
   2=Signon

5. Value chosen from the following options:
   1=netname,
   2=console,
   3=terminal

6. portname
7. userid

**Destination**

CSMT

**DFHZC6380 E**

<table>
<thead>
<tr>
<th>date</th>
<th>time</th>
<th>applid</th>
</tr>
</thead>
</table>

Install for connection **cccc** failed. Netname **netname** is the same as the member name of a generic resource connection **grcon** which is already in use.

**Explanation**

A connection **cccc** was being installed but the netname **netname** is the same as the member name of a generic resource connection **grcon** which is already in use.

**System action**

The resource is not installed. CICS continues.

**User response**

If the NETNAME is incorrect, use CEDA to change it. Alternatively if you wish to communicate with the generic resource member by its member name, discard the generic resource connection after ending the VTAM affinity and try again.

**Module:**

DFHBSS

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. **cccc**
5. netname
6. grcon

**Destination**

CSMT

**DFHZC6590 I**

<table>
<thead>
<tr>
<th>date</th>
<th>time</th>
<th>applid</th>
<th>termid</th>
<th>tranid</th>
</tr>
</thead>
</table>

Node **netname** conversation restarted. **sense ((instance))**
**Explanation**

The node specified has been switched to this system following an XRF takeover. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

Processing continues.

**User response**

None.

**Module:**

DFHZXRC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. netname
7. sense
8. instance
9. Value chosen from the following options:
   - 1=DFHZXRC,
   - 2=DFHZXRC,
   - 3=DFHZXRC,
   - 4=DFHZXRC,
   - 5=DFHZXRC

**Destination**

CSNE

DFHZC6591 E  date time applid termid tranid Error processing XRF switch command. sense ((instance) Module name: {DFHZXRC | DFHZXRC | DFHZXRC | DFHZXRC | DFHZXRC | DFHZXRC | DFHZXRC | DFHZXRC | DFHZXRC | DFHZXRC})

**Explanation**

The terminal has been switched to this CICS system following an XRF takeover, but an error was encountered processing the response data. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**

The state of the session at takeover is uncertain and the session is unbound in order to reset the states. The session is simlogged on, and proceeds as a normal emergency restart.

**User response**

Proceed as for a normal emergency restart.

**Module:**

DFHZXRC

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. termid
5. tranid
6. sense
7. instance
8. Value chosen from the following options:
   - 1=DFHZXRC,
   - 2=DFHZXRC,
   - 3=DFHZXRC,
   - 4=DFHZXRC,
   - 5=DFHZXRC,
   - 6=DFHZXRC,
   - 7=DFHZXRC,
   - 8=DFHZXRC,
   - 9=DFHZXRC,
   - 10=DFHZXRC,
   - 11=DFHZXRC

**Destination**

CSNE

DFHZC6593 I date time applid termid tranid Node netname backup session
Explanation

Node netname has successfully issued an OPNDST OPTCD=BACKUP command to the connected LU. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action

Processing continues.

User response

None.

Module:

DFHZOPX

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. termid
5. tranid
6. netname
7. sense
8. instance
9. Value chosen from the following options:
   1=DFHZSCX

Destination

CSNE

DFHZC6595 I date time applid termid tranid
Node netname backup session not attempted. sense ((instance)
Module name: {DFHZOPN | DFHZOPX | DFHZOPN | DFHZOPN})

Explanation

Before the OPNDST is issued, the backup system has abandoned the attempt to establish a backup session for one of the following reasons:

• There is no XRF support in VTAM (TCTVXRFS), or
• the TCTTE is flagged as a secondary. This CICS receives the BIND, but does not send it (TCTE2RY), or
• the TCTTE indicates that the LOGMODE keyword was specified on the terminal definition.

This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

System action

If this system takes over, the autoconnect process attempts to acquire a session. In this case, it probably
takes longer for the session to become available for use.

**User response**
Do not attempt a backup session.
Rectify error, or downgrade the recovery option specified for this terminal.

**Module:**
DFHZOPN

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. termid
5. tranid
6. netname
7. sense
8. instance
9. Value chosen from the following options:
   1. DFHZOPN,
   2. DFHZOPN,
   3. DFHZOPN

**Destination**
CSNE

DFHZC6596  **applid** CICS terminal control program cannot support XRF functions. **sense** ((**instance**) Module name: (DFHZSEX / DFHZSLS))

**Explanation**
The VTAM ACB has been opened, and the function level of the terminal control program (ZCP) and VTAM has been examined. It has been determined that XRF terminal functions cannot be supported in this execution of CICS.

This can be because one of the DFHZCx modules, or the TCT, was assembled against a version of VTAM earlier than 3.1, or because the level of VTAM that has just been opened is pre-3.1. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**
Processing continues. Processing continues, but no VTAM XRF functions can be supported.

**User response**
If VTAM XRF functions are required, check the assembly of each of the DFHZCx modules and the TCT.

If a pre-3.1 release of VTAM was used in the assembly process, then a warning MNOTE will have been issued.

The relevant modules should then be reassembled against the correct level of VTAM.

If the assembly of all modules is correct, then the VTAM used in this execution is at a pre-3.1 level.

**Module:**
DFHZSEX,DFHZSLS

**XMEOUT parameters/Message inserts**
1. applid
2. sense
3. instance
4. Value chosen from the following options:
   1. DFHZSEX,
   2. DFHZSLS

**Destination**
Console

DFHZC6598  **applid** VTAM Shutdown in XRF Alternate system. CICS will abend. **sense** ((**instance**) Module name: (DFHZTPX))

**Explanation**
The TPEND exit has been driven because VTAM has been shutdown. This is an XRF Alternate system and it cannot continue without VTAM. This imbed is inserted in DFHZC xxxx messages with sense inserts. For the meaning of sense, see message DFHZC2400.

**System action**
The system is abnormally terminated.

**User response**
Determine why and how VTAM was shutdown.

**Module:**
DFHZTPX
XMEOUT parameters/Message inserts

1. applid
2. sense
3. instance
4. Value chosen from the following options:
   1=DFHZTPX

Destination
Console

DFHZC6901 W  \textit{date time applid}  Autoinstall BIND for NETNAME netname is invalid. Internal RC(X'response').

Explanation
The bind passed for AUTOINSTALL of a resource has shown an error in the bind image check call. The fixed part of the BIND is printed (this is the part on which the validation code operates? see the Systems Network Architecture Formats (GA27-3136) for details of the BIND RU). The internal return code X'code' identifies the location within the module that invalidated the BIND.

System action
CICS continues but the session is not installed. The request is rejected and message DFHZC2411 is issued. The terminal is not usable until a VTAM LOGOFF command is issued.

User response
Investigate the fixed part of the BIND data to determine the reason for the rejection. The internal return code gives more information that can be used by IBM to help you to determine the cause of the problem. See Working with IBM to solve your problem for guidance on how to proceed.

Module: DFHZATA

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. Value chosen from the following options:
   1=terminal, 2=console

Destination
CADL

DFHZC6902 E  \textit{date time applid}  Autoinstall failed because no \{terminal / console\} models are defined.

Explanation
An attempt was made to autoinstall either a VTAM device or a console; however, there are no appropriate autoinstall models defined.

System action
CICS processing continues, but the autoinstall logon attempt is rejected.

User response
Use CEDA to define autoinstall model(s). For further information, refer to the Defining resources.

Module: DFHZATA, DFHZATA2

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. X'response'

Destination
CADL

DFHZC6903 W  \textit{date time applid}  Autoinstall for resource resid, \{netname / consolename\} id using model model id failed.

Explanation
The connection or terminal or console build process failed. The reason is given in a following DFHZC59xx, DFHZC62xx or DFHZC63xx message referring to the same resid. These messages are followed by message DFHZC6942.

System action
Processing continues.
User response
Refer to following messages for further information.

Module:
DFHZATA, DFHZATA2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. resid
5. Value chosen from the following options:
   1=netname,
   2=consolename
6. id
7. model

Destination
CADL

DFHZC6904 W date time applid Autoinstall for {netname | consolename} id failed.
CATA task abended (abend abend).

Explanation
Transaction CATA was autoinstalling a terminal or console, id, when the task abended with abend abend. If the resource being autoinstalled was a terminal, then the issuing module was DFHZATA. Otherwise, the issuing module was DFHZATA2 if the resource was a console. The id can be either a netname or a consolename.

System action
CICS continues but the resource is not installed.

User response
Retry the logon attempt. If the abend indicates a TIMEOUT and this occurs frequently, increase the CATA DTIMOUT value. If you do not want the CATA transaction to time out, remove the DTIMOUT parameter from the CATA DEFINE TRANSACTION command. However, if you do this, and if the system is short on storage, a large number of CATA transactions running at the same time with no other transactions present could cause a deadlock.

Module:
DFHZATA, DFHZATA2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=netname,
   2=consolename
5. id
6. abend

Destination
CADL

DFHZC6905 W date time applid Autoinstall delete for resource resid, {netname | consolename} id failed. CATD task abended (abend abend).

Explanation
Transaction CATD, program DFHZATD was deleting an autoinstalled resource resid, when the task abended with abend abend.

System action
CICS continues. If the resource still exists, it is reused next time the same TERMID or SYSID is used.

User response
See the description of abend abend for further guidance.

If the abend indicates a TIMEOUT and this occurs frequently, increase the CATD DTIMOUT value. If you do not want the CATD transaction to time out, remove the DTIMOUT parameter from the CATD DEFINE TRANSACTION command. However, a large number of CATD tasks running at the same time with no purgeable tasks present could cause a deadlock if the system is also short on storage.

Module:
DFHZATD

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. resource
5. resid
6. Value chosen from the following options:
   1=netname,
   2=consolename
7. id
8. abend

**Destination**
CADL

DFHZC6906 | date time applid Install or delete of remote terminal termid failed. tranid task abended (abend abend).

**Explanation**
One of the functions of DFHZATS (transaction CITS, CDTS, CMTS or CFTS) has abended with abend abend.

**System action**
CICS continues.

For CITS (remote install), if the remote terminal (skeleton) was actually built, CICS might use it.

For CDTS (remote delete), if the remote terminal (skeleton) has not been deleted, it might be reused.

For CMTS (remote mass delete), terminals which have not been deleted by CMTS might be deleted at a later stage.

For CFTS (remote mass flag), terminals which have been flagged for deletion might be deleted at a later stage. If any terminals have not been flagged, attempts might be made to reuse them. This can have unpredictable results.

**User response**
See the description of abend abend for further guidance.

The most likely reason for this message is a timeout of CITS or CDTS. In the case of CITS, reissue your transaction if necessary.

If the TIMEOUTs occur frequently, consider increasing the CITS or CDTS DTIMOUT values. If you do not want the transactions to time out, remove the DTIMOUT parameter from the CITS or CDTS DEFINE TRANSACTION command. However, a large number of CITS tasks running at the same time with no purgeable tasks present could cause a deadlock if the system is also short on storage.

Note that CFTS and CMTS do not have a DTIMOUT parameter and should not be given one because they only run once after a warm or emergency restart and should not be allowed to time out.

**Module:**
DFHZATS

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. termid
5. tranid
6. abend

**Destination**
CADL

DFHZC6907I | date time applid Autoinstall starting for netname netname. Network qualified name is netid.realnet.

**Explanation**
CICS has started to autoinstall a terminal or a connection. This message shows the netname by which CICS will know the device and network qualified name netid.realnet showing the origin of the resource.

**System action**
CICS continues.

**User response**
None. This message is for information only.

**Module:**
DFHZATA

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. netid
6. realnet
Destination
CADL

**DFHZC6908 I** *date time applid* Autoinstall in progress for netname *netname*. TN3270 IP address is *tnaddr*.

---

**Explanation**
CICS is autoinstalling a terminal. This message shows the *netname* by which CICS will know the device and the TN3270 IP address, port number and host name (if present).

**System action**
CICS continues.

**User response**
None. This message is for information only.

**Module:**
DFHZATA

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *netname*
5. *tnaddr*

---

**Destination**
CADL

**DFHZC6910 W** *date time applid* Install for remote terminal *termid* failed.

---

**Explanation**
An INSTALL for the remote terminal *termid* has failed. Possible causes are that the terminal has already been deleted or that it is in use by another task.

If this message is repeated a number of times, there could be a more serious problem.

**System action**
If the message is associated with message DFHZC6912, CICS continues normally. If message DFHZC6912 is not issued, DFHZATS is abnormally terminated with a transaction dump.

**User response**
If the message is associated with message DFHZC6912, no action is necessary. If DFHZC6912 is not issued, see the associated DFHZC59xx, DFHZC62xx and DFHZC63xx messages for the reason for the DELETE failure.

**Module:**
DFHZATS

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *termid*

---

**Destination**
CADL

**DFHZC6912 I** *date time applid* Unable to delete remote terminal.

---

**Explanation**
An INSTALL for the remote terminal *termid* has failed. The reason for the failure is specified in associated DFHZC59xx and DFHZC62xx messages.

**System action**
DFHZATS terminates abnormally with a CICS transaction dump.

**User response**
See the associated messages for further guidance.

**Module:**
DFHZATS

**XMEOUT parameters/Message inserts**
1. *date*
2. *time*
3. *applid*
4. *termid*
This message is issued during a mass delete of remote terminals following a warm or emergency restart. A terminal which had been flagged for deletion could not be deleted. The most likely explanation is that the terminal has already been deleted by another task.

An associated DFHZC6911 message gives the identity of the terminal. This might be associated with one or more DFHZC59xx and DFHZC62xx messages giving the reason for the failure.

**System action**
Processing continues normally.

**User response**
See the associated messages for further information.

**Module:**
DFHZATS

**Explanation**
A remote DELETE has been attempted for a terminal which has already been deleted by another task.

**System action**
Processing continues normally.

**User response**
None.

**Module:**
DFHZATS

**Explanation**
The terminal autoinstall process fails. CICS processing continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

**System action**
The TCTTE build process failed due to the failure of an internal function call.

**User response**
Retry the logon attempt.

**Module:**
DFHZATA, DFHZATA2

**Explanation**
An unexpected response (INVALID, DISASTER or EXCEPTION) has been received on a call by DFHZATS

**Destination**
CADC

**Explanation**
The TCTTE build process failed due to the failure of an internal function call.

**System action**
The terminal autoinstall process fails. CICS processing continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
Retry the logon attempt.

**Module:**
DFHZATA, DFHZATA2

**Explanation**
An unexpected response (INVALID, DISASTER or EXCEPTION) has been received on a call by DFHZATS
to function SIGNOFF_TERMINAL_USER during sign-off processing for a remote terminal session running under CRTE.

**System action**
The terminal sign-off process fails to complete and the terminal user remains signed on. CICS processing continues. Message DFHME0116, which contains the symptom string for this problem, is produced.

**User response**
See the related message produced by the domain that detected the original error.

**Module:** DFHZATS

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. termid
5. X‘SNUS_RESPONSE’

**Destination**
CADL

**Explanation**
An autoinstall attempt to install APPC NETNAME netname has failed. The autoinstall program call to the autoinstall control program failed with return code X. The return codes are mapped from the program manager LINK_URM response and reason. More precise reasons for failure can be obtained from trace point PG 0A02.

**System action**
CICS continues.

**User response**
The appropriate response depends on the return code as follows:

1. The user exit program has no resource definition. Ensure that the PROGRAM resource definition for the user exit program is installed.

2. The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.

3. The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.

4. Loading of the user exit program failed for some other reason. Check the DFHPGLU exit trace entry (PG 0A02) to see why the program manager was unable to load the program.

**Module:** DFHZGAI

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. X

**Destination**
CADL

**Explanation**
An APPC connection not known to CICS has attempted to connect to CICS. However, the autoinstall control program has given a nonzero return code indicating that the install cannot go ahead.

If you do not support APPC autoinstall, the autoinstall control program (DFHZATDX is the default name) automatically returns a nonzero return code to disallow this function.
**System action**
The exception trace entry code shows the parameter list for the autoinstall control program. The session is terminated. CICS continues.

**User response**
The failure code X'code' is as follows:

X'FA07'
If APPC autoinstall is not supported, use the netname to determine which device is attempting autoinstall.

If APPC autoinstall is supported, examine the autoinstall control program to determine why it has not set the return code to allow the install.

**Module:**
DFHZGAI

**XMEOUT parameters/Message inserts**
1. date
2. time
3. applid
4. netname
5. X'code'

**Destination**
CADL

DFHZC6922 E date time applid Parameter list error during autoinstall for NETNAME netname. Code X'code'

**Explanation**
An APPC connection not known to CICS has attempted to connect to CICS. However, the autoinstall control program has returned an invalid parameter, or a parameter that has led to an invalid template being used.

**System action**
The exception trace entry code shows the parameter list for the autoinstall control program. The session is terminated. CICS continues.

**User response**
The failure code X'code' is one of the following:

X'FA08'
No netname or sysid was supplied for the template. Change the autoinstall control program to supply either the netname or the sysid.

X'FA09'
The sysid for the new connection has invalid characters. It can only contain A-Z a-z 0-9 and £#@ (where £ is X'5B'). Redefine the connection name in the autoinstall control program.

X'FA0A'
The sysid for the new connection already exists. Change the autoinstall control program to supply a unique name.

X'FA0B'
CICS is unable to locate the supplied template netname. Change the autoinstall control program to supply the correct template name, or use CEDA to install the template connection.

X'FA0C'
CICS is unable to locate the supplied template sysid. Change the autoinstall control program to supply the correct template sysid or use CEDA to install the template connection.

X'FA0D'
The template is not an APPC connection. Change the autoinstall control program to supply the correct template name, or use CEDA to reinstall the template correctly.

X'FA0E'
The bind indicates that a parallel session connection is required. The template is a single session connection. Change the autoinstall control program to supply the correct template name, or use CEDA to reinstall the template correctly.

X'FA0F'
The bind indicates that a single session connection is required. The template is a parallel session connection. Change the autoinstall control program to supply the correct template name or use CEDA to reinstall the template correctly.

X'FA10'
The modename in the bind does not match the modename in the connection.

For parallel sessions, the SNASVCMG modegroup is missing. The install for the template may have failed - check for any CADL messages mentioning the template name. The template connection may have been corrupted. Try and re-install the template.
For single sessions, the user modegroup name does not match. Change the autoinstall control program to supply the correct template name or use CEDA to reinstall the template correctly.

X'FA11'
The program that attempted to INQUIRE on the template has detected an error in the template and is unable to create a BPS with which to install the new connection. This problem may be caused by a failure in the initial install of the template. Check the console and CADL log to determine whether the template installed correctly. Also, use CEMT to ensure that the CONNECTION is correct.

X'FA12'
The program that attempted to INQUIRE on a user modegroup for the named template has detected an error in the template and is unable to create a BPS with which to install a user modegroup. This problem may be caused by a failure in the initial install of the template. Check the console and CADL log to determine whether the template installed correctly. Also use CEMT to ensure that the MODEGROUP is correct.

X'FA13'
The template connection has no user modegroup. This problem may be caused by a failure in the initial install of the template. Check the console and CADL log to determine whether the template installed correctly. Also, use CEMT to ensure that the MODEGROUP is correct.

X'FA14'
The template connection is out of service so this install cannot continue. If the install should have been allowed to continue, put the relevant template connection INSERVICE using CEMT.

X'FA15'
The incoming bind user data does not have a PLUNAME Network Name subfield (id 04). This is required and should have been supplied by the PLU.

X'FA16'
The incoming bind user data does not have a MODENAME Network Name subfield (id 02). This is required and should have been supplied by the PLU.

Module:
DFHZGAI

XMEOUT parameters/Message inserts

1. date

2. time
3. applid
4. netname
5. X'code'

Destination
CADL

DFHZC6923 E date time applid Unacceptable bind parameter during autoinstall for NETNAME netname. Code X'code'

Explanation
CICS has received a BIND from an unknown APPC node. The autoinstall process was initiated, but an invalid bind parameter has been detected. The parameter in error is indicated by the failure code X'code' which is one of the following:

X'FA18'
There was no session instance ID field in the bind user data.

X'FA19'
There was no primary logical unit (PLU) name in the bind user data.

X'FA1A'
The PLU name in the bind user data is the same as the LU name of this CICS.

X'FA1B'
Security information (an encryption seed) was expected, but not present, in the bind user data.

X'FA1C'
Security information (an encryption seed) was found in the bind user data but its length was too high for it to be valid.

X'FA1D'
Security information (an encryption seed) was found in the bind user data when none was expected.

X'FA1E'
The received bind indicated that it was not negotiable. This is not acceptable for an APPC connection.

X'FA1F'
The received bind specified a primary RU size of zero.
X'FA20'
The received bind specified a secondary RU size of zero.

X'FA21'
The received bind contained inconsistent access security indicators.

X'FA22'
Two security information fields (seed and nonce field) were found in the received BIND where only one was expected.

X'FA23'
The received BIND contained a nonce field with an incorrect length.

X'FA24'
The received BIND did not contain a nonce field.

X'FA25'
The received BINDs security mechanisms field length was smaller than the minimum defined by the Architecture.

X'FA26'
The received BINDs security mechanisms field contained an invalid length for the mechanism identifier field.

System action
The exception trace entry with trace point ID 'AP xxxx' (where xxxx is X'code') shows the bind that was received. The session is terminated. CICS continues.

User response
Change the definitions on the connecting LU so that the bind parameters are acceptable to CICS.

Module:
DFHZGAI

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. restype
5. resid
6. Value chosen from the following options:
   1=netname,
   2=consolename
7. id
8. model

Destination
CADI

DFHZC6935 I date time applid Autoinstall for restype resid with {netname / consolename} id using model or template model successful.

Explanation
CICS has successfully installed resource restype resid, with id id, using model or template model. The restype can be TERMINAL or CONNECTION or CONSOLE depending on whether a terminal, an APPC connection, or a console has just been autoinstalled.

System action
CICS continues.

User response
None.

Module:
DFHZATA, DFHZATA2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. restype
5. resid
6. Value chosen from the following options:
   1=netname,
   2=consolename
7. id
8. model

Destination
CADI

DFHZC6935 I date time applid Autoinstall for NETNAME netname, model modelname in MTS control vector not known to CICS.

Explanation
The VTAM MTS control vector contained a model name modelname not defined to CICS.

System action
CICS continues. This message is informational.
There are four possible ways of correcting this problem:

- Use the CEDA transaction to define and install the autoinstall model
- Change the VTAM MTS MDTAB MODEL= entry to the name of an existing autoinstall model.
- Logon to CICS with a MODEL= parameter that defines an existing autoinstall model.
- Code an Autoinstall User Program. Examples are given in the Sample Programs and Copybooks section of the Developing system programs for CICS.

Module:
DFHZATA

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. modelname

Destination
CADL

DFHZC6937I date time applid Autoinstall for NETNAME netname, MTS model modelname and bind image mismatch.

Explanation
An autoinstall attempt occurred using the modelname printed. The MODEL BIND (from the CICS model definition) did not match with the incoming bind in CINIT. The MISMATCH_BITS show which bind bits did not match.

System action
CICS continues. The logon request is rejected.

User response
There are four possible ways of correcting this problem:

- Change the CICS autoinstall MODEL modelname to produce a bind that matches the incoming CINIT.
- Change the MTS MDTAB MODEL= entry to a model name defined to CICS whose bind matches the CINIT defined in the LOGMODE for this terminal.
- Change the VTAM LOGMODE for this terminal to match the chosen CICS MODEL_BIND.
- Code an autoinstall user program. Examples are given in the Sample Programs and Copybooks section of the Developing system programs for CICS.

Module:
DFHZATA

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. netname
5. modelname

Destination
CADL

DFHZC6939W date time applid Autoinstall for NETNAME netname, Invalid length nn found in cinit control vector at offset offset

Explanation
CICS verification checks on the format of the control vectors in the CINIT have failed. offset indicates the first point of failure. This is either a length field greater than 128, or a length field which would cause CICS to overrun the end of a CINIT vector or subvector.

This is either due to incorrect format of the CINIT RU (and therefore probably a VTAM logic error), or due to incorrect parsing of the CINIT RU by DFHZATD, which is a CICS logic error.

System action
CICS continues. The logon request is rejected.

User response
Inspect the format of the CINIT RU as captured by the autoinstall program for all rejected logon requests. The first point of failure may be at offset or before it since CICS verification checks are permissive.

If the format is incorrect, the origin of the invalid CINIT should be tracked and the problem resolved there.

If the format is correct, this is a CICS logic error. In this case you will need further assistance from IBM. See Working with IBM to solve your problem for guidance on how to proceed.
Module: DFHZATA

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. netname
5. nn
6. offset

**Destination**

CADL

DFHZC6942 W  date time applid Autoinstall for resource resid failed.

**Explanation**

An AUTOINSTALL attempt to install resource resid has failed.

**System action**

CICS continues.

**User response**

For the cause of the failure, look for a previous message containing the same resid.

Module: DFHZZATD

**XMEOUT parameters/Message inserts**

1. date
2. time
3. applid
4. resource
5. resid
6. Value chosen from the following options:
   1=netname, 2=consolename
7. id

**Destination**

CADL

DFHZC6944 W  date time applid Autoinstall for {netname | consolename} id failed. RC x

**Explanation**

An autoinstall attempt to install terminal id has failed. The autoinstall program call to the user exit program failed with return code x. The id is either a netname or a consolename.

**System action**

CICS continues.

**User response**

Possible causes of the problem and an indication of how to solve them are given in the following list of return code meanings:

**Return code**

**Meaning and solution**

1. The user exit program should be linked with AMODE(31). Ensure that the user exit is linked to the correct AMODE.
The user exit program has no resource definition.
Ensure that the PROGRAM resource definition for the user exit program is installed.

The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.

The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.

Module:
DFHZATA, DFHZATA2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=netname,
   2=consolename
5. id
6. x

Destination
CADL

DFHZC6945 W date time applid Autoinstall delete for {netname | consolename} id failed. RC x

Explanation
An autoinstall attempt to install resource id has failed. The issuing module, either DFHZATA or DFHZATA2, called the user exit program for DELETE but the user exit failed for reasons given in return code x. If the resource being installed was a terminal, the issuing module was DFHZATA. Otherwise, if a console was being installed, DFHZATA2 was the issuing module.

System action
CICS continues.

User response
Possible causes of the problem and an indication of how to solve them are given in the following list of return code meanings:

Return code
Meaning and solution
1
The user exit program should be linked with AMODE(31). Ensure that the user exit is linked to the correct AMODE.

2
The user exit program has no resource definition. Ensure that the PROGRAM resource definition for the user exit program is installed.

3
The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.

4
The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.

Module:
DFHZATA, DFHZATA2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=netname,
   2=consolename
5. id
6. x

Destination
CADL

DFHZC6946 W date time applid Delete user exit for autoinstalled resource resid, {netname | consolename} id failed. RC x.
Explanation
CICS has deleted the autoinstalled resource resid. The call to the delete user exit program failed for reasons given in return code x.

System action
CICS continues.

User response
Possible causes of the problem and an indication of how to solve them are given in the following list of return code meanings:

Return code
Meaning and solution

1
The user exit program should be linked with AMODE(31). Ensure that the user exit is linked to the correct AMODE.

2
The user exit program has no resource definition. Ensure that the PROGRAM resource definition for the user exit program is installed.

3
The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.

4
The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.

Module:
DFHZATD

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. resource
5. resid
6. Value chosen from the following options:
   1=netname,
   2=consolename
7. id
8. x

Destination
CADL
DFHZC6948 W date time applid Delete for connection sysid, NETNAME netname failed due to CATD initiation failure. Module module.

Explanation
CICS was attempting to delete an autoinstalled APPC connection sysid but the attempt failed because CICS was unable to initiate the CATD transaction. The specific circumstances depend on the module:

DFHZATR
After a CICS restart transaction, DFHZATR was driven to delete autoinstalled connections but CATD failed to initiate.

DFHZCLS
Connection sysid was released and DFHZCLS was attempting to initiate the CATD transaction to delete the connection but CATD failed to initiate.

DFHZGCH
An attempt was made to delete sysid after a successful CHANGE ENDAFFIN request; however, CATD failed to initiate.

System action
The connection is left in a released state. CICS continues.

User response
Ensure that the definitions for transaction CATD and program DFHZATD are correct. If you still wish to delete this connection, use CEMT DISCARD CONNECTION or EXEC CICS DISCARD CONNECTION.

Module:
DFHZATR, DFHZCLS, DFHZGCH

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. sysid
5. netname
6. module
Destination
CADL

DFHZC6950 W  date time applid Autoinstall for terminal termid failed with RC x.

Explanation
An autoinstall attempt to install terminal termid has failed. The autoinstall program call to the user exit program failed with return code x.

System action
CICS continues.

User response
Possible causes of the problem and an indication of how to solve them are as follows:

Return code  Meaning and solution
1  The user exit program is not linked with AMODE(31). Ensure that the user exit is linked to the correct AMODE.
2  The user exit program has no resource definition. Ensure that the PROGRAM resource definition for the user exit program is installed.
3  The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.
4  The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.

Module:
DFHZATS

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. x

Destination
CADL

DFHZC6951 W  date time applid Autoinstall for terminal termid failed with RC x.

Explanation
An autoinstall attempt to install terminal termid has failed. The autoinstall program call to the user exit program failed with return code x.

System action
CICS continues.

User response
Possible causes of the problem and an indication of how to solve them are as follows:

Return code  Meaning and solution
1  The user exit program is not linked with AMODE(31). Ensure that the user exit is linked to the correct AMODE.
2  The user exit program has no resource definition. Ensure that the PROGRAM resource definition for the user exit program is installed.
3  The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.
4  The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.

Module:
DFHZATMD

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. termid
5. x
Destination
CADL

DFHZC6958 W  date time applid Autoinstall
for {netname / consolename}
id, resource X’termid’ failed.
{RESOURCE / PRINTER / ALTPRINTER} ID is invalid. RC=n.

Explanation
The RESOURCE, PRINTER, or ALTPRINTER ID supplied
by the AUTOINSTALL exit program is invalid. The
return code n can be one of the following:

n  Meaning
1    Invalid blank in column one
2    Invalid imbedded blank
3    Invalid character used.

System action
CICS continues but does not install the object.

User response
Change the AUTOINSTALL exit program to create IDs
that contain only valid characters. These are specified
in the Defining resources.

Module:
DFHZATA, DFHZATA2

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. Value chosen from the following options:
   1=netname,
   2=consolename
5. id
6. X’termid’
7. Value chosen from the following options:
   1=RESOURCE,
   2=PRINTER,

8. n

Destination
CADL

DFHZC6966 I  date time applid Autoinstall delete
for restype resid with {netname / consolename} id was successful.

Explanation
CICS has successfully deleted the autoinstalled
resource restype resid. The restype can be a terminal,
an APPC connection, or a console.

System action
CICS continues.

User response
None.

Module:
DFHZATD

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. restype
5. resid
6. Value chosen from the following options:
   1=netname,
   2=consolename
7. id

Destination
CADL

DFHZC6987 W  date time applid Autoinstall best
failure for NETNAME netname was
model model.

Explanation
An autoinstall attempt has failed for lack of an exact
match.
netname is the netname of the LU which failed to
logon,
model is the name of the model that gave the best failure (that is, the one that had the fewest bits different from the BIND image supplied by VTAM).

The following associated information is also written to CADL:

xxxxxxxx... is a string of hexadecimal digits, where xx represents one byte, and each byte position represents the corresponding byte position in the BIND image.
CINIT BIND: xxxxxxxx is the bind image supplied by VTAM.
MODEL BIND: xxxxxxxx is the best model.
MISMATCH BITS: xxxxxxxx represents a comparison of the relevant bits from above. A bit set to '1' indicates a mismatch in that position between the BIND image from VTAM and the BIND image associated with the model.

System action
CICS continues.

User response
1. Determine whether the model model is suitable. If there are several models which have options, such as TRANSECKEYS, then only the first such model is named in the above message. It will be up to the user-program to make the choice, when the logmode table entry is corrected.
2. Identify the entry in the VTAM logmode table that is being used.
3. Check that this logmode table entry is not successfully in use with other applications, so that to change it might cause this other use of it to fail.

DFHZEnnnn messages

DFHZE2600 Syst.sense
sys sense,ter mid,task id,
Unidentified sense information

Explanation
The error message writer (DFHEMW) was scheduled to send an error message, but could not identify the system sense code.

System action
The task is abnormally terminated.

User response
Refer to the associated messages that were issued previously for further information and guidance.

DFHZE2604 Syst.sense 0811,ter mid,task id,
Unprocessed data at detach

Explanation
The task to be detached did not completely process the inbound data chain.
System action

Purging of data is done until end-of-chain (EOC) or CANCEL has been received.

User response
None.

DFHZNnnnnn messages

| DFHZN2130     | date time applid A unit of work has been shunted but the connection with the remote system does not support the shunt protocols. Resources on the remote system may be out of sync with those on this CICS after the UOW is resynchronized. Failure date mm/dd/yy failure time hh:mm:ss remote system netname transaction tranid task number trannum operator terminal termid user userid network UOW netuowid local UOW X’localuow’.

Explanation
This message is preceded by message DFHAC2231. An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The coordinator of the syncpoint is not this CICS system but is remote.

Transaction tranid has lost contact with its coordinator system during the indoubt period.

System action
In accordance with the transaction definition, the unit of work is not completed. It is allowed to wait for resynchronization with the coordinator system. The transaction is abnormally terminated with abend code ASP1. The unit of work is shunted to await the return of the coordinator system.

As part of this processing, CICS has attempted to pass on the shunt request to another partner system. However, this partner does not support the shunting protocols, and so this partner may backout or commit changes to its resources independently of this shunted unit of work.

User response
Following resynchronization with the coordinator system, determine whether the remote function shipped resources are out of synchronization. The action to take depends on local procedures and the design of the application program. For example, it may be possible to rerun the application but only making updates to remote resources. Refer to the CICS intercommunication for information on design considerations in a distributed environment.

Module: DFHCR2U

XMEOUT parameters/Message inserts

1. date  
2. time  
3. applid  
4. mm/dd/yy  
5. hh:mm:ss  
6. netname  
7. tranid  
8. trannum  
9. termid  
10. userid  
11. netuowid  
12. X’localuow’

Destination
CSMT

| DFHZN2131     | date time applid Intersystem session failure during CICS synclevel one commit. Local resources may be out of sync with those on the remote system. Failure date mm/dd/yy failure time hh:mm:ss remote system netname transaction tranid task number trannum operator terminal termid user userid network UOW netuowid local UOW X’localuowid’.

Explanation
A CICS application has been using APPC synclevel 1 to process remote function shipped resources.
The application took a syncpoint, either implicitly or explicitly, and this has caused all local resources and synclevel 2 partners to be committed. However, a session failure occurred at a critical time during the synclevel 1 commit processing, and the synclevel 1 function shipped resources may have committed successfully or may have backed out.

System action
CICS synclevel 1 commit processing continues, with the intention of committing as many synclevel 1 resources as possible. For APPC synclevel 1, CICS does not attempt to resolve the situation any further. On completion of the syncpoint, CICS abends the user task.

Explanation
A CICS application has been using APPC synclevel 1 to process remote function shipped resources. The application took a syncpoint, either implicitly or explicitly, and this has caused all local resources and synclevel 2 partners to be committed. However, when a commit message was sent to a synclevel 1 function shipped resource, the resource voted to backout.

User response
Determine whether the remote function shipped resources are out of synchronization. The action to take depends on local procedures and the design of the application program. For example, it may be possible to rerun the application but only making updates to remote resources. Refer to the CICS intercommunication for information on design considerations in a distributed environment.

Module: DFHCR2U

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. netname
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'

Destination
CSMT

Explanation
A CICS application has been using APPC synclevel 1 to process remote function shipped resources. The application took a syncpoint, either implicitly or explicitly, and this has caused all local resources and synclevel 2 partners to be committed. However, when a commit message was sent to a synclevel 1 function shipped resource, the resource voted to backout.

User response
Determine whether the remote function shipped resources are out of synchronization. The action to take depends on local procedures and the design of the application program. For example, it may be possible to rerun the application but only making updates to remote resources. Refer to the CICS intercommunication for information on design considerations in a distributed environment.

Module: DFHCR2U

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. mm/dd/yy
5. hh:mm:ss
6. netname
7. tranid
8. trannum
9. termid
10. userid
11. netuowid
12. X'localuowid'
Error detected during CICS synclevel one commit. Reason code rc. Local resources may be out of sync with those on the remote system. Failure date mm/dd/yy failure time hh:mm:ss remote system sysid transaction tranid task number trannum operator terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation
A CICS application has been using APPC synclevel 1 to process remote function shipped resources. The application took a syncpoint, either implicitly or explicitly, and this has caused all local resources and synclevel 2 partners to be committed. However, when a commit message was sent to a synclevel 1 function shipped resource, the reply indicated that an error has occurred. The reason code provides details of the error and has the following values:

01
Protocol violation by partner system - unexpected FMH data

02
Protocol violation by partner system - unexpected syncpoint message data

03
Abend received

04
Deadlock or read timeout.

System action
CICS synclevel 1 commit processing continues, with the intention of committing as many synclevel 1 resources as possible.

For reason code 01, a transaction dump with dump code ASPI is taken. For reason code 02, a transaction dump with dump code ASPJ is taken. On completion of the syncpoint, CICS abends the user task.

User response
The action to take depends on local procedures. For reason codes 01 and 02, examine the dump to determine what message data was received from the partner. This information is held in one of the terminal input/output areas. A failure in the communication system might have caused corruption of the data.

Reason code 03 indicates that the partner system has sent an abend. There is an error in the partner system which may need to be investigated.

Reason code 04 indicates that the partner system took too long to respond to the synclevel 1 commit. There could be a problem with the remote system, or the communication system. It may be necessary to increase the deadlock timeout or read timeout values to prevent this recurring.

Module:
DFHCR2U

XMEOUT parameters/Message inserts
1. date
2. time
3. applid
4. rc
5. mm/dd/yy
6. hh:mm:ss
7. sysid
8. tranid
9. trannum
10. termid
11. userid
12. netuowid
13. X'localuowid'

Explanation
FREE IMPLICIT request for a non-principal facility MRO session has failed.

System action
CICS writes an exception trace entry with code '0D86' before issuing a DFHTC FREE DETACH request for the session.
User response

If the task was purged by the operator causing abend AZI9 or a read timeout occurred causing abend AZIG this error may be expected and no further action may be necessary.

Otherwise this failure may represent an error. To investigate further set up a system dump table entry for system dump code ZN2200. You may need further assistance from IBM to resolve this problem. See Part 4 of the Troubleshooting and support for guidance on how to proceed.

Module: DFHCRIU

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. session id
5. netname
6. transid
7. abend code

Destination

CSMT

DFHZN2701 date time applid Log data sent on ISC session is xxxxxxxx

Explanation

This is an informational message. The transaction is communicating with a logical unit type LU6.2. It has sent an FMH (function management header) which carries log data.

System action

The transaction continues processing.

User response

None.

Module: DFHZERH

XMEOUT parameters/Message inserts

1. date
2. time
3. applid
4. xxxxxxxx

Destination

CSNE
Chapter 3. IBM Health Checker for z/OS messages related to CICS

IBM Health Checker for z/OS identifies potential configuration problems in CICS regions before they impact availability or cause outages. If any CICS regions are identified as non-compliant with any of the best practices for CICS system configuration, IBM Health Checker for z/OS issues warning messages containing details of the non-compliant regions for you to take corrective actions.

To review the details of the Health Check output, use the TSO SDSF CK command. For more information, see Health Check panel (CK) in z/OS documentation.

For details on health checker rules, see Checking CICS configuration with IBM Health Checker for z/OS.

Additional IBM Health Checker for z/OS messages can be found here: DFHHCnnnn messages

**DFHH0001E** The CEDA transaction is accessible to unauthenticated users.

**Explanation**
The IBM supplied transaction CEDA is accessible to the default user or CICS security is turned off. This means anyone who can connect to the IP address and port number of one of the CICS regions shown can change the configuration of CICS.

To review the details of the Health Check output, use the TSO SDSF CK command. For more information, see Health Check panel (CK) in z/OS documentation.

The regions shown have a RC/RSN with more specific information about why the region failed the check:

- 0801 CEDA installed and SEC=NO
- 0802 CEDA installed and DFLTUSER can run it
- 0807 The checking module can't be linked to

**System action:**
The system continues processing.

**Operator response:**
Report this error to the System Programmer.

**System programmer response:**
Correct the security exposure which has been identified.

**Reference Documentation**
For advice on best practice, see Checking CICS configuration with IBM Health Checker for z/OS.

**DFHH0002E** A TDQ defined to the internal reader is accessible to unauthenticated users.

**Explanation**
The SPOOL=YES is defined and the IBM supplied transaction CECI are accessible to the default user or CICS security is turned off. This means anyone who can connect to the IP address and port number of one of the CICS regions shown can submit jobs to run on the z/OS system remotely without authentication.

To review the details of the Health Check output, use the TSO SDSF CK command. For more information, see Health Check panel (CK) in z/OS documentation.

The regions shown have a RC/RSN with more specific information about why the region failed the check:

- 0803 SPOOL=YES, CECI installed and SEC=NO
- 0804 SPOOL=YES, CECI installed and DFLTUSER can run it
- 0807 The checking module can't be linked to
- 0809 Surrogate user check for spool jobs is disabled

**System action:**
The system continues processing.

**Operator response:**
Report this error to the System Programmer.

**System programmer response:**
Correct the security exposure which has been identified.

**Reference Documentation**
For advice on best practice, see Checking CICS configuration with IBM Health Checker for z/OS.
To review the details of the Health Check output, use the TSO SDSF CK command. For more information, see Health Check panel (CK) in z/OS documentation.

The regions shown have a RC/RSN with more specific information about why the region failed the check:

- 0805 A TDQ accesses INTRDR, CECI is installed and the DLFTUSER can run it
- 0806 The SVC99 does not support inquire of SYSOUT
- 0807 The checking module can’t be linked to
- 0808 A TDQ accesses INTRDR, CECI is installed and SEC=NO

**System action:**
The system continues processing.

**Operator response:**
Report this error to the System Programmer.

**System programmer response:**
Use the debug option on the health check to find further details about the problem. Report the problem to IBM Service.

**Reference Documentation**
For advice on best practice, see Checking CICS configuration with IBM Health Checker for z/OS.

**DFHH0200E** The CICS Health Checker cannot run due to error.

**Explanation:**
The CICS Health Checker was unable to find the storage used by CICS regions to record health checks.

**System action:**
The system continues processing, but cannot report on any CICS regions.

**Operator response:**
Report this error to the System Programmer.

**DFHH0301I** All CEDA transactions are protected from unauthenticated users.

**Explanation:**
No problems were found with the configuration of CEDA which would allow default users access. This applies to all CICS regions on this LPAR running during the last health check interval.

**System action:**
The system continues processing.

**DFHH0302I** The spool is protected from unauthenticated users.

**Explanation:**
No problems were found with the configuration of the spool which would allow default users access. This applies to all CICS regions on this LPAR running during the last health check interval.

**System action:**
The system continues processing.

**DFHH0303I** No TDQs defined to the internal reader can be written to by unauthenticated users.

**Explanation:**
No problems were found with the configuration of TDQs defined to the internal reader which would allow default users access. This applies to all CICS regions on this LPAR running during the last health check interval.

**System action:**
The system continues processing.
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Programming Interfaces that allow the customer to write programs to obtain the services of CICS Transaction Server for z/OS, Version 5 Release 6 (CICS TS 5.6) are included in the following sections of the online product documentation:

• Developing applications
• Developing system programs
• CICS TS security
• Developing for external interfaces
• Application development reference
• Reference: system programming
• Reference: connectivity

Information that is NOT intended to be used as a Programming Interface of CICS TS 5.6, but that might be misconstrued as Programming Interfaces, is included in the following sections of the online product documentation:

• Troubleshooting and support
• CICS TS diagnostics reference

If you access the CICS documentation in manuals in PDF format, Programming Interfaces that allow the customer to write programs to obtain the services of CICS TS 5.6 are included in the following manuals:

• Application Programming Guide and Application Programming Reference
• Business Transaction Services
• Customization Guide
• C++ OO Class Libraries
• Debugging Tools Interfaces Reference
• Distributed Transaction Programming Guide
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• IMS Database Control Guide
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• Security Guide
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• CICSPlex® System Manager (CICSPlex SM) Managing Workloads
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• Data Areas
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• Problem Determination Guide
• CICSPlex SM Problem Determination Guide

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