IBM Tivoli OMEGAMON XE on z/OS
Version 5 Release 1.1

Troubleshooting Guide
IBM Tivoli OMEGAMON XE on z/OS
Version 5 Release 1.1

Troubleshooting Guide
Note

Before using this information and the product it supports, read the information in "Notices" on page 233.

Edition notice

This edition applies to version 5, release 1, modification 1 of IBM Tivoli OMEGAMON XE on z/OS (product number 5698-T01) and to all subsequent releases and modifications until otherwise indicated in new editions.

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Part 1. Troubleshooting

The first part of this guide describes the troubleshooting process and the tools available to help you collect and analyze diagnostic data for problems you encounter with IBM Tivoli OMEGAMON XE on z/OS. Part 1 also provides instructions for setting up trace logging and locating the logs and describes problems commonly encountered with configuration and usage of the monitoring agent.

Chapter 1, “Introduction to troubleshooting,” on page 3 describes the process of troubleshooting and addresses the issue of determining the source of a problem in a complex environment. In addition, this chapter describes tools available to assist in finding, collecting, and analyzing diagnostic information and provides the location of the z/OS® logs.

Chapter 2, “Setting up traces on a z/OS system,” on page 13 describes how to set up tracing and how to capture logs to send IBM® Software Support. It also provides information to help you understand and use the trace logs.

Chapter 3, “Common problems and solutions,” on page 29 describes problems that often arise while configuring or using OMEGAMON XE on z/OS.

Part 2 of this guide documents the messages issued by the OMEGAMON XE on z/OS product and the common components it uses.
Chapter 1. Introduction to troubleshooting

In a complex environment such as the one in which OMEGAMON XE on z/OS operates, identifying the source and cause of problems can be difficult. A problem that you experience with OMEGAMON XE on z/OS data in the Tivoli Enterprise Portal might ultimately be traced to a component such as a Tivoli Enterprise Monitoring Server or to Tivoli Enterprise Portal Server, rather than to the monitoring agent.

The IBM Tivoli Monitoring: Troubleshooting Guide provides extensive information about resolving problems you might experience with Tivoli Management Services components and describes in detail the tools available to help you collect and analyze diagnostic data. This guide, in contrast, focuses on collecting and analyzing data specific to the OMEGAMON XE on z/OS monitoring agent.

This chapter introduces a systematic approach to troubleshooting that can help you determine which problems are caused by those common components and which are associated with the monitoring agent. It also provides an overview of the tools available for collecting and analyzing diagnostic data and for documenting problems and reporting them to IBM Software Support.

Troubleshooting is not the same as problem solving, although during the process of troubleshooting, you can often obtain enough information to solve a problem. Sometimes, however, you might encounter a problem that you cannot solve by yourself, even after determining its cause. If you are unable to solve a problem on your own, you can contact IBM Software Support for a solution.

**Troubleshooting checklist**

Use this checklist to identify and eliminate any known problems:

1. Ensure that all applicable PTFs and fix packs have been applied to the monitoring agents, common z/OS components (like OMEGAMON® Subsystem), and shared Tivoli Management Services components (such as Tivoli Enterprise Monitoring Server, Tivoli Enterprise Portal, and TMS:Engine):
   - Check the OMEGAMON XE on z/OS and Tivoli Management Services on z/OS program directories for required PTFs and Fix Packs.
   - Check the PSP bucket for new information.
   - Check the README file and TechNotes for known problems or workarounds.
   - Consult IBM Support Assistant.

2. Check the IBM Tivoli Monitoring: Troubleshooting Guide for known problems.


After you have eliminated any known problem as the source, set up tracing for affected components (see Chapter 2, “Setting up traces on a z/OS system,” and use the tools available with IBM Support Assistant to correlate and analyze the logs (see “Tools for troubleshooting” on page 5).

For detailed suggestions on finding the source of problems, see “Troubleshooting a problem” on page 4.
Troubleshooting a problem

Troubleshooting is a systematic approach to solving a problem. The goal of troubleshooting is to determine why something does not work as expected and explain how to resolve the problem.

The first step in the troubleshooting process is to describe the problem completely. Problem descriptions help you and the IBM® Software Support person know where to start to find the cause of the problem. This step includes asking yourself basic questions:

- What are the symptoms of the problem?
- Where does the problem occur?
- When does the problem occur?
- Under which conditions does the problem occur?
- Can the problem be reproduced?

The answers to these questions typically lead to a good description of the problem, and that is the best way to start down the path of problem resolution.

What are the symptoms of the problem?

When starting to describe a problem, the most obvious question is “What is the problem?” This might seem like a straightforward question; however, you can break it down into several more-focused questions that create a more descriptive picture of the problem.

These questions can include:

- Who, or what, is reporting the problem?
- What are the error codes and messages?
- How does the system fail? For example, is it a loop, hang, crash, performance degradation, or incorrect result?
- What is the business impact of the problem?

Where does the problem occur?

Determining where the problem originates is not always easy, but it is one of the most important steps in resolving a problem. Many layers of technology can exist between the reporting and failing components.

Tivoli Management Services components, networks, disks, and drivers are only a few of the components to consider when you are investigating problems.

The following questions help you to focus on where the problem occurs to isolate the problem layer:

- Is the problem specific to one platform or operating system, or is it common across multiple platforms or operating systems?
- Is the current environment and configuration supported?

Remember that if one layer or component reports the problem, the problem does not necessarily originate in that layer or component. Part of identifying where a problem originates is understanding the environment in which it exists. Take some time to completely describe the problem environment, including the operating system and version, all corresponding software and versions, and hardware information. Confirm that you are running within an environment that is a supported configuration; many problems can be traced back to incompatible levels of software that are not intended to run together or have not been fully tested together.

When does the problem occur?

Develop a detailed timeline of events leading up to a failure, especially for those cases that are one-time occurrences. You can most easily do this by working backward: start at the time an error was reported (as precisely as possible, even down to the millisecond), and work backward through the available logs and
information. Typically, you need to look only as far as the first suspicious event that you find in a
diagnostic log; however, this is not always easy to do and takes practice. Knowing when to stop looking
is especially difficult when multiple layers of technology are involved, and when each has its own
diagnostic information.

To develop a detailed timeline of events, answer these questions:
• Does the problem happen only at a certain time of day or night?
• How often does the problem happen?
• What sequence of events leads up to the time that the problem is reported?
• Does the problem happen after an environment change, such as upgrading or installing software or
  hardware?

Responding to questions like this helps to provide you with a frame of reference in which to investigate
the problem.

**Under what conditions does the problem occur?**
Knowing which systems and applications are running at the time that a problem occurs is an important
part of troubleshooting.

These questions about your environment can help you to identify the root cause of the problem:
• Does the problem always occur when the same task is being performed?
• Does a certain sequence of events need to occur for the problem to surface?
• Do any other applications fail at the same time?

Answering these types of questions can help you explain the environment in which the problem occurs
and correlate any dependencies. Remember that just because multiple problems might have occurred
around the same time, the problems are not necessarily related.

**Can the problem be reproduced?**
From a troubleshooting standpoint, the ideal problem is one that can be reproduced. Typically, problems
that can be reproduced have a larger set of tools or procedures at your disposal to help you investigate.
Consequently, problems that you can reproduce are often easier to debug and solve. However, problems
that you can reproduce can have a disadvantage: if the problem is of significant business impact, you do
not want it to recur. If possible, re-create the problem in a test or development environment, which
typically offers you more flexibility and control during your investigation.

Ask the following questions:
• Can the problem be recreated on a test system?
• Are multiple users or applications encountering the same type of problem?
• Can the problem be recreated by running a single command, a set of commands, or a particular
  application, or a stand-alone application?

**Tools for troubleshooting**
IBM Tivoli Monitoring provides a number of tools to help you troubleshoot problems with Tivoli
Management Services components and monitoring agents.

The *IBM Tivoli Monitoring: Troubleshooting Guide* describes these tools in detail and gives information on
how to obtain them.

Most of these tools have been incorporated into the IBM Support Assistant. The IBM Support Assistant is
a free, downloadable tool that helps you find information about known problems, collect and analyze
diagnostic information, and report problems to IBM Support and track their resolution. For information on accessing IBM Support Assistant, see "Support information" on page 231.

Finding information about known problems

The IBM Tivoli Monitoring: Troubleshooting Guide contains a great deal of information about problems and solutions for Tivoli Management Services components on both distributed and z/OS platforms. This guide contains information on problems commonly encountered with OMEGAMON XE on z/OS.

In addition, you can visit the Tivoli® OMEGAMON on z/OS page on the IBM support portal to see the latest flashes and alerts. For more information, see https://www.ibm.com/support/entry/portal/troubleshooting/software/tivoli/tivoli_omegamon_xe_on_z~os.

Collecting diagnostic data

The primary resource for diagnostic data is logs. Logs are records of text messages and trace data generated by the software and written to an output destination, such as a console screen or a file. Typically, an OMEGAMON XE monitoring agent on z/OS does not display messages at the Tivoli Enterprise Portal. Instead, messages are sent to more typical z/OS output locations, such as SYSOUT data sets or spool files or, more rarely, to the z/OS system console. Logging is enabled on all monitoring agents by default.

Tracing is the recording of the processing of a computer program or transaction. Trace logs capture information about the operating environment to help you diagnose problems when component software fails to operate as intended. The principal log type for Tivoli Management Services and monitoring agents that share those services is the reliability, availability, and serviceability (RAS1) trace log. When the Tivoli Management Services z/OS components are initialized, RAS1 service initialization is one of the first processes started. The RAS1 trace log mechanism is available on the Tivoli Enterprise Monitoring Server, the Tivoli Enterprise Portal Server, and the monitoring agents. Most logs are located in a logs subdirectory on the host computer. RAS logs are in the English language only.

By default, an OMEGAMON XE monitoring agent on z/OS has minimal tracing enabled. The RAS1=ERROR setting means that only error messages are captured. When you report a problem, IBM Software Support might ask you to enable a more in-depth and detailed form of tracing, such as one of those discussed under "Syntax for RAS1 traces" on page 14. IBM Software Support uses the information captured by trace logging to trace a problem to its source or to determine why an error occurred. The default configuration for trace logging, such as the level of trace logging, depends on the source of the trace logging. Trace logging is always enabled.

Note: There is CPU and I/O overhead associated with detailed RAS1 tracing that might degrade performance of the monitoring agent. Restore RAS1 tracing to the minimal KBB_RAS1=ERROR after problem diagnosis is completed.

Log files and trace information are provided in a common fashion across all monitoring agents on z/OS and the z/OS components of the Tivoli Management Services. Table 1 on page 7 explains the location of log and trace files for the monitoring agent and the Tivoli Management Services components on z/OS.
<table>
<thead>
<tr>
<th>Component</th>
<th>Component description and location</th>
</tr>
</thead>
<tbody>
<tr>
<td>OMEGAMON XE monitoring agent on z/OS</td>
<td>The RKLVLOG for the monitoring agent started task is the single most helpful piece of service information for an OMEGAMON XE monitoring agent on z/OS. The RKLV (R = runtime, KLV = the prefix associated with IBM Tivoli Monitoring Services:Engine or TMS:Engine) is the sysout data set or spool file that contains log and trace messages. Instructions on how to save the contents of this log to a dataset are provided under &quot;Capturing z/OS logs to send to IBM Software Support&quot; on page 24. These additional zSeries® log files (if available) are also useful: • The RKLVSNAP sysout data set or spool file contains formatted dump output. • The RKPDLOG sysout data set or spool file contains the information and error messages related to the handling of the persistent datastore. • Some agents have other files defined to collect log and trace messages. Refer to your started procedures for the locations of these serviceability log files.</td>
</tr>
<tr>
<td>Tivoli Enterprise Monitoring Server on z/OS</td>
<td>Because the monitoring server on z/OS runs under TMS:Enginejust as an OMEGAMON XE monitoring agent on z/OS does, all logging under TMS:Engine is handled the same way, that is log and trace data are written to RKLVLOGs and RKPDLOGs.</td>
</tr>
<tr>
<td>End-to-End Response Time Feature (ETE)</td>
<td>ETE is a base component and does not have its own RKLVLOG file. This component writes messages to the IBM System Display and Search Facility (SDSF) Job Log. The User Response section of various ETE messages requests that you collect systems information and dumps before contacting IBM Software Support. How to collect this information for ETE is documented in the IBM Tivoli OMEGAMON® and IBM® Tivoli® Management Services on z/OS®: End-to-End Response Time Feature Reference book.</td>
</tr>
<tr>
<td>IBM Tivoli Management Services:Engine (TMS:Engine)</td>
<td>TMS:Engine is a collection of basic operating system and communication service routines built specifically for z/OS. All address spaces used by OMEGAMON XE monitoring agent on z/OS load and use the services of TMS:Engine. Successful initialization of TMS:Engine is noted by this message: KLVI408 IBM OMEGAMON PLATFORM ENGINE VERSION 400 READY For troubleshooting information about TMS:Engine problems, refer to the z/OS initialization section of IBM Tivoli Monitoring: Troubleshooting Guide. Explanations for messages generated by TMS:Engine can be found in IBM Tivoli Monitoring: Messages. TMS:Engine writes messages to the same RKLVLOG file as the product it is running. If you search the RKLVLOG file for an OMEGAMON XE monitoring agent on z/OS, product-specific messages start with the product code (for example, KM5 or KM2 for OMEGAMON XE on z/OS) but messages for the TMS:Engine start with that component prefix, KLV.</td>
</tr>
<tr>
<td>OMEGAMON Subsystem</td>
<td>The OMEGAMON Subsystem does not allocate an RKLVLOG. This component issues messages directly to the z/OS system console (or SYSLOG).</td>
</tr>
<tr>
<td>Persistent datastore</td>
<td>The RKPDLOG SYSPUT data set or spool file contains the information and error messages related to the handling of the persistent datastore. To dump this log, follow the procedures described for RKLVLOG in the sections that follow.</td>
</tr>
</tbody>
</table>
See Chapter 2, “Setting up traces on a z/OS system,” on page 13 for detailed instructions on using traces.

You may also want to look at or submit logs for distributed components (see Table 2).

Table 2. Log locations for distributed components

<table>
<thead>
<tr>
<th>Component</th>
<th>Windows</th>
<th>UNIX and Linux systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tivoli Enterprise Portal</td>
<td>C:\Documents and Settings\userid\Application Data\IBM\Java\Deployment\log\plugin150.trace</td>
<td>userid/.java/deployment/log/plugin150.trace</td>
</tr>
<tr>
<td>browser client</td>
<td>where userid is the user ID under which the browser was started.</td>
<td>where userid is the user ID under which the browser was started.</td>
</tr>
<tr>
<td></td>
<td>The plugin150.trace file contains the RAS1 tracing for the Tivoli Enterprise Portal browser client and any Java™ exceptions.</td>
<td>The plugin150.trace file contains the RAS1 tracing for the Tivoli Enterprise Portal browser client and any Java™ exceptions.</td>
</tr>
<tr>
<td>Tivoli Enterprise Portal</td>
<td>install_dir\CNP\logs\kcjras1.log</td>
<td>install_dir\logs\kcjras1.log</td>
</tr>
<tr>
<td>desktop client</td>
<td>where install_dir is the directory where the client was installed.</td>
<td>where install_dir is the directory where the client was installed.</td>
</tr>
<tr>
<td></td>
<td>Every time the Tivoli Enterprise Portal starts, it purges the kcjras1.log</td>
<td>Every time the Tivoli Enterprise Portal starts, it purges the kcjras1.log</td>
</tr>
<tr>
<td></td>
<td>If you want to preserve this log files, you must rename it or copy it to</td>
<td>If you want to preserve this log files, you must rename it or copy it to another directory before restarting the Tivoli Enterprise Portal.</td>
</tr>
<tr>
<td></td>
<td>another directory before restarting the Tivoli Enterprise Portal.</td>
<td></td>
</tr>
<tr>
<td>Desktop client</td>
<td>C:\Documents and Settings\userid\Application Data\IBM\Java\Deployment\log\javawsnnnnn.trace</td>
<td>userid/.java/deployment/log/javawsnnnnn.trace</td>
</tr>
<tr>
<td>launched through Java Web</td>
<td>where userid is the user ID under which the client was started, and nnnnn is a unique, randomly generated numeric suffix to support generational logs (that is, the last generated log will not be overlaid by the most current execution of Tivoli Enterprise Portal using Java Web Start.</td>
<td>where userid is the user ID under which the client was started, and nnnnn is a unique, randomly generated numeric suffix to support generational logs (that is, the last generated log will not be overlaid by the most current execution of Tivoli Enterprise Portal using Java Web Start.</td>
</tr>
</tbody>
</table>
Table 2. Log locations for distributed components (continued)

<table>
<thead>
<tr>
<th>Component</th>
<th>Windows</th>
<th>UNIX and Linux systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tivoli Enterprise Portal Server</td>
<td>\textit{install_dir/\texttt{logs}\textit{hostname_cq_timestamp-\texttt{nn}.log}} where:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>\textit{install_dir} Specifies the directory where Tivoli</td>
<td>\textit{install_dir/\texttt{logs}\textit{hostname_cq_timestamp-\texttt{nn}.log}} where:</td>
</tr>
<tr>
<td></td>
<td>\textit{hostname} Specifies the name of the system hosting</td>
<td>\textit{install_dir} Specifies the directory where Tivoli</td>
</tr>
<tr>
<td></td>
<td>the product.</td>
<td>\textit{hostname} Specifies the name of the system hosting</td>
</tr>
<tr>
<td></td>
<td>\textit{cq} Specifies the product code, \texttt{cq} for the</td>
<td>the product.</td>
</tr>
<tr>
<td></td>
<td>Tivoli Enterprise Portal Server.</td>
<td>\textit{cq} Specifies the product code, \texttt{cq} for the</td>
</tr>
<tr>
<td></td>
<td>\textit{timestamp} A hexadecimal representation of the</td>
<td>Tivoli Enterprise Portal Server.</td>
</tr>
<tr>
<td></td>
<td>time at which the process was started.</td>
<td>\textit{timestamp} A hexadecimal representation of the</td>
</tr>
<tr>
<td></td>
<td>\textit{nn} Represents the circular sequence in which</td>
<td>time at which the process was started.</td>
</tr>
<tr>
<td></td>
<td>logs are rotated. Ranges from 1-5, by default, though the</td>
<td>\textit{nn} Represents the circular sequence in which</td>
</tr>
<tr>
<td></td>
<td>first is always retained, since it includes configuration</td>
<td>logs are rotated. Ranges from 1-5, by default, though the</td>
</tr>
<tr>
<td></td>
<td>parameters.</td>
<td>first is always retained, since it includes configuration</td>
</tr>
<tr>
<td>Tivoli Enterprise Monitoring</td>
<td>\textit{install_dir/\texttt{logs/hostname_cms_timestamp-\texttt{nn}.log}} where:</td>
<td></td>
</tr>
<tr>
<td>Server</td>
<td>\textit{install_dir} Specifies the directory where Tivoli</td>
<td>\textit{install_dir/\texttt{logs/hostname_cms_timestamp-\texttt{nn}.log}} where:</td>
</tr>
<tr>
<td></td>
<td>Enterprise Monitoring Server was installed.</td>
<td>\textit{install_dir} Specifies the directory where Tivoli</td>
</tr>
<tr>
<td></td>
<td>\textit{hostname} Specifies the name of the system hosting</td>
<td>\textit{hostname} Specifies the name of the system hosting</td>
</tr>
<tr>
<td></td>
<td>the product.</td>
<td>the product.</td>
</tr>
<tr>
<td></td>
<td>\textit{timestamp} A hexadecimal representation of the</td>
<td>\textit{timestamp} A hexadecimal representation of the</td>
</tr>
<tr>
<td></td>
<td>time at which the process was started.</td>
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</tr>
<tr>
<td></td>
<td>\textit{nn} Represents the circular sequence in which</td>
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<tr>
<td></td>
<td>parameters.</td>
<td>parameters.</td>
</tr>
</tbody>
</table>
### Table 2. Log locations for distributed components (continued)

<table>
<thead>
<tr>
<th>Component</th>
<th>Windows</th>
<th>UNIX and Linux systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tivoli Enterprise Monitoring</td>
<td>IBM Tivoli Monitoring operations logging replaces MSG2 logging. The new optional logs replace the Tivoli Enterprise Monitoring Server log files <code>install_dir\cms\kdsmain.msg</code> on Windows systems and <code>install_dir/logs/hostname_ms_timestamp.log</code> on UNIX-based systems. To use the new logging facility for the Tivoli Enterprise Monitoring Server, modify the <code>install_dir\cms\KBBENV</code> file on Windows systems or the <code>install_dir/config/hostname_ms_temsid.config</code> file and <code>install_dir/config/kbenv.ini</code> file on UNIX-based systems. Add the following line to the file: <code>MSG_MODE=kms</code> To disable the new logging facility and return to original logging, either remove this line in the file or change it to: <code>MSG_MODE=MSG2</code> For more information, refer to the <em>IBM Tivoli Monitoring: Troubleshooting Guide</em>.</td>
<td></td>
</tr>
</tbody>
</table>

Note: In order for a normal RAS1 trace file to be generated for a Web Start client, you need to ensure that the “Enable tracing” option is set using the IBM Java Control Panel (Advanced tab).  

Note: Additional information about logs for distributed components is found in the *IBM Tivoli Monitoring: Troubleshooting Guide*.

The `pdcollect` tool allows you to collect the most commonly-used information from a system to troubleshoot on your own or to allow for IBM service to investigate a problem. It gathers log files, configuration information, version information, and the like. This tool also provides the ability to manage the size of trace data repositories. This tool is available for Windows, UNIX, Linux, and z/OS systems. It is located in the `ITM_Install\bin` directory on Windows, UNIX, and Linux systems. It is supplied as the KMSPDCOL member of the RKANSAM dataset on z/OS systems. It is also included in IBM Support Assistant, available at [www.ibm.com/software/support/isa/](http://www.ibm.com/software/support/isa/) For more information on using `pdcollect`, see the *IBM Tivoli Monitoring: Troubleshooting Guide*.

### Analyzing data

This guide contains explanations of the messages issued by OMEGAMON XE on z/OS and the components it shares with other OMEGAMON XE monitoring agents on z/OS and provides suggested responses. You can use this documentation to help analyze the logs that you collect. In addition, the Log Analyzer tool, included in the IBM Support Assistant workbench, provides an graphical user interface that helps you browse, analyze, and correlate logs files from multiple products. You can use the tool to view and correlate logs from the portal server or monitoring server on a distributed system, or the RKLVLOG from a monitoring agent or monitoring server on z/OS system. With the Log Analyzer, you can evaluate multiple event and error logs with time synchronization. You can import and select symptom catalogs against which log files can be analyzed and correlated.

A symptom catalog is a set of predefined product-specific problem scenarios and possible solutions that can be identified through automatic review of messages that might appear in a product log file (for example, a monitoring server or monitoring agent RKLVLOG). Log records can be analyzed using a symptom catalog to interpret known events and error conditions, and to provide detailed information on how to resolve problems. OMEGAMON XE on z/OS provides symptom catalogs for versions 4.1.0 and 4.2.0. IBM Tivoli Monitoring provides symptom catalogs for versions 6.1.0 and 6.2.1. You can also use the Symptom Editor to create custom symptom catalogs.

OMEGAMON XE on z/OS and IBM Tivoli Monitoring also provide specialized IBM Support Assistant plug-ins with product-specific dialogs that provide you with diagnostic information you can use to troubleshoot or even resolve problems.
You install product-specific plug-ins using the IBM Support Assistant Updater.

**Submitting problems to IBM Software Support**

If you have a problem that you are unable to solve by referring to this guide and to the *IBM Tivoli Monitoring: Troubleshooting Guide*, gather the following information about the problem and contact IBM Software Support for further assistance. The IBM Support Assistant can help you gather and submit the required information about the problem.

Be prepared to supply the following items:

- Monitored application file.
- Appropriate RAS1 trace output.
- Description of the operation scenario that led to the problem.
- Incorrect output, such as Tivoli Enterprise Portal screen prints or a description of what you observed, if applicable.
- Log files from failing systems. You can collect all logs or logs of a certain type, such as RAS trace logs or message logs.
- Application information, such as version number and patch level.
- Operating system version number and patch level.
- Messages and other information displayed on the screen.
- Version number of the following components of the monitoring environment:
  - Tivoli Enterprise Portal client
  - Tivoli Enterprise Portal Server and Tivoli Enterprise Monitoring Server on distributed systems. Also provide the IBM Tivoli Monitoring patch level, if available.
  - Tivoli Enterprise Monitoring Server on z/OS
  - Monitoring agent

For more information about collecting problem information, see *IBM Tivoli Monitoring: Troubleshooting Guide* for distributed components and Chapter 2, “Setting up traces on a z/OS system,” on page 13 for z/OS components.

For information about submitting problems to IBM Software Support, see “Support information” on page 231.
Chapter 2. Setting up traces on a z/OS system

Trace logs capture information about the operating environment to help you diagnose problems when components fail to operate as intended. The principal log type is the reliability, availability, and serviceability (RAS1) trace log. When the monitoring agents and Tivoli Management Services components are initialized, RAS1 is one of the first processes started. You can set up RAS tracing for the monitoring agents, Tivoli Enterprise Monitoring Server, and Tivoli Enterprise Portal Server. RAS logs are in the English language only.

Trace logging is always enabled, but the default configuration for trace logging, such as the level of trace logging, depends on the source of the trace. For the monitoring agents on z/OS, the default level is KBB_RAS1=ERROR, which means that only error messages are captured. This is the setting for minimal tracing. When you report a problem, IBM Software Support might ask you to enable a more in-depth and detailed form of tracing, such as one of those discussed under “Syntax for RAS1 traces” on page 14.

**Tip**

Overhead (CPU and I/O) associated with detailed RAS1 tracing might degrade performance of the monitoring agent. Restore RAS1 tracing for the monitoring agent to the default level KBB_RAS1=ERROR after you complete problem diagnosis.

You can also use communications traces during TCP/IP initialization to help diagnose problems in connections between the monitoring agent and the monitoring server.

The topics in this chapter provide instructions for setting up traces on z/OS for your own use and to forward to IBM Software Support.

- “Communications tracing”
- “RAS1 tracing for OMEGAMON XE on z/OS” on page 14
- “Capturing z/OS logs to send to IBM Software Support” on page 24
- “Understanding and using trace logs” on page 28

Communications tracing

Communications tracing during TCP/IP initialization is controlled by the KDC_DEBUG environment variable. To obtain the level of tracing required for the TCP/IP initialization messages to be recorded in the RAS1 log, add the string KDC_DEBUG=Y to &rliev.&rte.RKANPARU(KDSENV). (Because OMEGAMON XE on z/OS runs in the Tivoli Enterprise Monitoring Server address space, its parameters are stored in the monitoring server ENV file.) You can also set the KDC_DEBUG variable dynamically using the Service Console `bss` command.

Possible values for KDC_DEBUG are:

- **Y** The data flow between the monitoring agent and the monitoring server during TCP/IP initialization is recorded, including data packages sent and received. When KDC_DEBUG=Y is active in the environment during initialization of TCP/IP services for this address space, you can confirm successful initialization of TCP/IP by looking for one of the following messages in RKLVLOG:

  "KDE11_OpenTransportProvider") Transport opened: socket/ip.tcp
  "KDE11_OpenTransportProvider") Transport opened: socket/ip.pipe
  "KDE11_OpenTransportProvider") Transport opened: socket/ip.udp
The data flow between the monitoring agent and the monitoring server during TCP/IP initialization is not recorded. This is the default and the recommended setting for normal operation.

D Full packet tracing plus STATE and FLOW tracing.

M D plus INPUT and OUTPUT Help tracing

### RAS1 tracing for OMEGAMON XE on z/OS

RAS1 tracing is the primary diagnostic tool for product components. RAS1 tracing is provided by the KBB library service and is set either in the IBM Tivoli Monitoring Service Console interface or by a more direct method of modifying the KBB_RAS1 parameter in \&rhilev.&rte.RKANPARU(KDSENV).

RAS1 messages are sent to STDOUT and redirected to the files shown in Table 1 on page 7.

If you modify the KBB_RAS1 parameter by using the Configuration Tool or by directly editing the KDSENV file, you must stop and restart the monitoring server. To change the trace settings without having to recycle the monitoring server, use the Service Console interface ras1 command.

RAS1 trace log files can grow very large depending on what you are tracing. Monitor the RAS1 trace log files so as not to fill up the JES spool.

### Setting trace levels by editing RKANPARU(KDSENV)

One of the simplest ways to set trace levels for a OMEGAMON XE monitoring agent on z/OS is to edit the \&rhilev.&rte.RKANPARU(KDSENV) member.

The text in bold is an example of what an IBM service representative might ask you to add to this member.

```plaintext
EDIT RKANPARU(KDSENV)
Command ===>
****** ************************************************ Top of Data ************************************************
000001 KDE_TRANSPORT=
000002  SNA.PIPE PORT:135 USE:N
000003  IP6.PIPE PORT:19184 USE:N
000004  IP6.UDP PORT:19184 USE:N
000005  IP.SPIPE PORT:3660 USE:N
000006  IP6.SPIPE PORT:3660 USE:N
000007  IP.PIPE PORT:1918 EPHEMERAL:Y
000008  IP.UDP PORT:1918
000009  KBB_RAS1=ERROR (UNIT:KM5TN ALL) (UNIT:KM5IRAFT ALL)
000010  CT_CMSLIST=
000011  IP.PIPE:n.nn.nnn.nn;
000012  IP.UDP:n.nn.nnn.nn;
000013  CTIRA_STANDALONE=N
000014  CTIRA_IP_PORT=0
000015  LANG=en_US.ibm-037
****** ************************************************ Bottom of Data ************************************************
```

After you add the command, you must stop and restart the address space for the command to take effect. After that, the setting remains in effect for the life of the address space. To end the trace, you must edit the KDSENV file again to reset the trace level, and stop and restart the address space.

### Syntax for RAS1 traces

This syntax is used to specify a RAS1 trace in the \&rhilev.&rte.RKANPARU(KDSENV) file. An IBM Software Support representative can tell you the values to set for the RAS1 trace parameters.

The basic syntax of the RAS1 trace command is:
where:

**global_class**
Indicates the level of tracing that you want. This is a global setting that applies to all RAS1 filters in the process. If you set this global class by itself, it is global in scope and the trace cannot filter on any of the other keywords. Separate combined classes with a space. The following values are possible. Valid abbreviations are in parentheses.
- **ERROR (ER)**: returns severe error messages only (this is the default for most applications).
- **STATE (ST)**: records the condition or current setting of flags and variables in the process. If state tracing is enabled, you can see the current state of particular variables or flags as the process is running.
- **FLOW (FL)**: causes a message to be generated at an entry or exit point of a function.
- **DETAIL (DE)**: produces a detailed level of tracing.
- **INPUT (IN)**: records data created by a particular API, function, or process.
- **ALL**: causes all available messages to be recorded. This setting combines all the other forms of tracing.

**COMP**
Indicates that the trace includes a component type. The COMP keyword is used to trace groups of routines related by function (or component). Use this keyword only at the explicit request of an IBM Software Support representative.

**component_type**
Identifies a component type. An IBM Software Support representative can tell you what value to specify.

**ENTRY**
Narrows a filtering routine to specify a specific ENTRY POINT. Since multiple entry points for a single routine are rare, use this keyword only at the explicit request of an IBM Software Support representative.

**entry_point**
Represents the name of the entry point. An IBM Software Support representative can tell you what value to specify.

**UNIT**
Indicates that the trace is to look for a match between the compilation unit dispatched and the fully or partially qualified compilation unit specified on the RAS1 statement. A match results in a trace entry.

**unit_name**
Represents the name of the compilation unit. In most instances, this name defines the component that is being traced. The value is likely to be the three-character component identifier for the monitoring agent (KM5 for OMEGAMON XE on z/OS).

**class**
One of the same values specified for **global_class**, but, because of its position inside the parentheses, narrowed in scope to apply only to the **unit_name** specified.

**Note:** The default setting for monitoring agents on z/OS is **KBB_RAS1=ERROR**, meaning that only error tracing is enabled. You can specify any combination of UNIT, COMP, and ENTRY keywords. No keyword is required. However, the RAS1 value you set with the global class applies to all components.
Example: tracing monitoring agent requests to and answers from the monitoring server

To show monitoring agent requests to and answers from the monitoring server, specify this trace:

```
KBB_RAS1=ERROR (UNIT:KRA ST ERR)
```

The unit values ST and ERR indicate collection of state and error information for a monitoring agent infrastructure component, KRA.

**Note:** Use this type of trace only for debugging a specific problem, because the settings greatly increase the number of messages generated by the monitoring agent. With this type of trace, messages include a detailed dump of all rows of data that pass filtering: attribute names and values, request names, table names, and collection intervals. Be sure to disable this resource-intensive form of tracing immediately after you complete the trace.

**Setting trace levels using the Configuration Tool**

Because the OMEGAMON XE on z/OS monitoring agent runs in the Tivoli Enterprise Monitoring Server address space, you specify the level of trace information collected for both the monitoring and the monitoring server on the Specify Advanced Configuration Values panel of the monitoring server.

The Specify Advanced Configuration Values panel for the provides several parameters for setting up logging and tracing:

**Enable startup console messages**

Set this parameter to `Y` if you want a SYSLOG message on the console to indicate when the monitoring server finishes initializing. The default is `Y`.

**Enable communications trace**

Set this parameter to `Y` if you want KDC_DEBUG=Y as the override setting in the KDSENV member of RKANPARU. Otherwise, the default setting of KDC_DEBUG=N is used. This default parameter instructs the data communications layer to report communications problems using a minimal, summary format. This parameter is intended for stable applications in production. Note that the default KDC_DEBUG=N generates standard RAS1 trace data in the monitoring server RKLVLOG, in addition to the summary information diagnosing possible timeout conditions.

The following settings report on data communications problems:

- **KDC_DEBUG=N**: minimal tracing (default)
- **KDC_DEBUG=Y**: full-packet tracing
- **KDC_DEBUG=D**: KDC_DEBUG=Y plus STATE & FLOW tracing
- **KDC_DEBUG=M**: KDC_DEBUG=D plus INPUT & OUTPUT HELP tracing
- **KDC_DEBUG=A**: KDC_DEBUG=M plus all format tracing

Do not set KDC_DEBUG=A unless directed by an IBM Software Support representative.

**Enable storage detail logging**

Set this parameter to `Y` to enable storage allocation detail logging. You can use the storage detail command output to analyze storage use in the monitoring server address space. Specifying `Y` generates the second EVERY command in the KDSSTART member of RKANCMDU.

To disable storage detail logging, set this parameter to `N`, which generates the second EVERY command as a comment. To control storage detail logging further, you can also dynamically issue the following modify command to the CANSDSST started task:

```
=> /F CANSDSST, STORAGE D
```

This modify command is useful if the monitoring server is already running with storage detail logging disabled. Issuing the modify command activates storage detail logging without recycling the monitoring server. The default is `Y`. 
If you set this parameter to Y, you must also define the times for storage detail logging and flushing the VSAM buffers.

- For **Storage detail logging**, set the interval to monitor storage. The interval values are written as part of the second EVERY command in the KDSSTART member of RKANCMDU. The default is 0 hours (hh) and 60 minutes (mm).

- For **Flush VSAM buffers**, set the interval to force all deferred VSAM writes to DASD. The interval values are written as part of the command in the KDSSTART member of RKANCMDU. The default is 0 hours (hh) and 30 minutes (mm).

For more information see *IBM Tivoli Management Services on z/OS: Configuring the Tivoli Enterprise Monitoring Server on z/OS*.

**Setting trace levels dynamically from the IBM Tivoli Monitoring Service Console**

You can use the IBM Tivoli Monitoring Service Console to set trace levels for monitoring agents on z/OS, as well as for aTivoli Enterprise Monitoring Server monitoring server on z/OS or for distributed components. Using the service console, you can read logs and turn on traces for remote product diagnostics and configuration. If you use the Service Console, you can change trace levels without recycling the monitoring server.

The Service Console is uniquely identified by its service point name. All Service Consoles for a host are linked and presented on the IBM Tivoli Monitoring Service Index for that host. You can perform operations on a specific component process by selecting the service console associated with the service point name of the component.

**Note:** Enabling tracing may cause large amounts of trace data and degrade performance, so only turn on tracing for the minimal amount of time as required to do problem determination.

**Starting the Service Console**

You start the Service Console from a browser window.

Use the following procedure to start the service console:

1. Start Internet Explorer (version 5 or higher) or Mozilla Firefox.
2. In the **Address** field, type the URL for the Tivoli Enterprise Portal browser client:
   
   `http://hostname:1920`

   where *hostname* specifies the system where the process (monitoring server, portal server, Warehouse Proxy Agent, Tivoli Data Warehouse, or monitoring agent) is installed and 1920 is the HTTP port number. If the service console is not displayed, a system administrator might have blocked access to it. Refer to the *IBM Tivoli Monitoring: Troubleshooting Guide* for information about blocking access to the service console.

3. On the **IBM Tivoli Monitoring Service Console** window, select the desired component process (service point name).
4. Click **OK**.

You need a valid user ID and password to proceed.

The IBM Tivoli Monitoring Service Console performs user authentication using the native OS security facility. If you use the IBM Tivoli Monitoring Service Console on z/OS systems, your user ID and password are checked by the z/OS security facility (RACF/SAF). If you use the IBM Tivoli Monitoring Service Console on Windows systems, then you must pass the Windows workstation user ID and password prompt. This is the rule except for instances of a NULL or blank password. The IBM Tivoli Monitoring Service Console never accepts a NULL or BLANK password.
A password is always required to access the service console. Blank passwords, even if correct, cannot access the service console. Even if a user ID is allowed to login to the operating system without a password, access to the service console is denied. Create a password for the user ID that is being used to login to the service console.

You can issue service console commands in the command input area. For a list of available commands, type a question mark (?) and click Submit.

**Service Console commands**
The Service Console supports the ras1 command, which is especially useful for dynamically enabling and disabling RAS1 traces. The documentation requests from IBM Software Support may conflict with your availability requirements. The ras1 command can be used to alter KBB_RAS1 tracing parameters dynamically without the need to recycle the product. The Service Console also supports the bss1 command, which is also useful for troubleshooting.

For example, you can issue the following ras1 command from the Service Console to enable the kpx trace:
```plaintext
ras1 set (UNIT:kpx ALL)
```

After you capture this trace, you can disable it with the following service console command:
```plaintext
ras1 set (UNIT:kpx ANY)
```

The ras1 command is paired with one of the following subcommands:
- **log** Display RAS1 log capture buffer.
- **list** List the RAS1 filters in effect.
- **ctbld** Display the resident CTBLD data.
- **set serviceunit** Control traces and filters for serviceunit
- **units** Display the registered compilation units.

To see what tracing is already in effect, submit the following command:
```plaintext
ras1 list
```

**Note:**
1. The information inside the parentheses may be case-sensitive. Use the values provided by IBM Software Support.
2. The settings set by Service Console commands remain in effect for the current activation of the product. After the product is recycled, the original trace settings are restored.

The bss1 command manages BSS1 (Basic System Services). The command is paired with one of the following subcommands:
- **listenv** Display the resident TMS:Engine variables.
- **getenv envvar** Display environment variable, where envvar is any variable that can be returned from listenv.
- **setenv envvar** Assign an environment variable where envvar is any variable that can be returned from listenv
- **info** Display BSS1_Info() data
- **config debugenv** Modifies the settings of the TMS:Engine debug environment variables: RES1_DEBUG,
KDH_DEBUG, KDC_DEBUG, and KDE_DEBUG. The possible values, from most to least tracing messages, are: M (Max), D (Detail), Y (Yes) and N (Nominal). For example, the following config command alters the setting of KDC_DEBUG:

```
BSS1 CONFIG KDC_DEBUG=Y
```

**Redirecting output of RAS1 tracing**

Nearly all diagnostic information for the z/OS components is delivered by the RAS1 component. This component is configured by the KBB_RAS1 environment variable in member KBBENV of RKANPARU. You can redirect the initialization member using the TMS:Engine INITLIST processing. INITLIST processing is always echoed to the RKLVLOG with the KLVIN411 message.

This example shows a typical KBBENV override to a different member, KDSENV:

```
KLVIN410 INITLIST MEMBER KDSINIT BEING PROCESSED
   KLVIN411 KLVINNAM=KDSINNAM
   KLVIN411 KLVINTB=KDSINTB
   KLVIN411 KLVINVLG=KDSINVLG
   KLVIN411 KLVINNAM=KDSINNAM
   KLVIN411 KLVINVPO=KDSINVPO
   KLVIN411 KLVINSTG=KDSINSTG
   KLVIN411 KLVINAM=KDSINAM
   KLVIN411 KBBENV=KDSENV
```

In this example, configuration of KBB_RAS1 is recorded in member KDSENV of RKANPARU.

**Dynamically altering RAS1 tracing for OMEGAMON XE on z/OS**

You can send commands to the monitoring server on z/OS to alter its RAS1 tracing dynamically while a process is running. You cannot issue these commands if RAS1 monitoring agent tracing is not enabled. Enable the RAS1 tracing first.

OMEGAMON XE on z/OS includes &rhilev&rte.RKANCMD members to turn tracing on/off for individual workspaces or views. There are two members for each command, one to turn tracing on, one to turn it off. In all cases, the “off” trace member name is the same as the “on” trace member name, except that it starts with “KM5F” instead of “KM5N”. This means that rather than entering multiple commands to get the desired trace information, you turn detailed tracing on and off simply by referencing the appropriate member name in a console command.

There is not a one-to-one correspondence between trace members and workspaces. In some cases, different workspaces use the same set of modules to generate data, so the set of commands to turn on and off the tracing for those modules might be the same for different workspaces.

To turn tracing for specific workspaces on and off, enter the following commands through a system console facility such as System Display and Search Facility (SDSF):

- To turn trace on:
  
  `/F stcname,KM5Nxxxx`

- To turn trace off:
  
  `/F stcname,KM5Fxxxx`

where `stcname` is the name of the started task for the Tivoli Enterprise Monitoring Server address space being traced, `KM5Nxxxx` is the name of the RKANCMD member that turns tracing on, and `KM5Fxxxx` is the name of the RKANCMD member that turns tracing off.

Issue the modify command,

```
*/F tems_name,FLUSH*
```
to flush data from the buffers to the trace output file after running the trace. Otherwise, the data may not appear for some time.

**CAUTION:**
Remember to turn off tracing with the appropriate trace member. Failure to turn off tracing results in decreased performance, filling up of the trace output, and confusion if you need to start another trace.

If the trace output becomes rather large, it is more efficient to use the ISPF Edit command, `SE` instead of the default ISPF Browse command `S` to view the trace output.

If possible, stop situations from running while performing a trace. Situations can pop up at odd intervals, and they may cause their own trace entries to be generated and cause confusion in the trace output.

Some probes, such as RMF™ and coupling facility monitors generate a large volume of trace output. Others, such as DASD and Enclave monitors, are dependent on the number of objects that are being monitored and produce different volumes of trace output for different users.

Table 3 lists the trace members that provide data for the sysplex-level workspaces.

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Table 3. Trace members listed by sysplex-level workspace (continued)

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<tr>
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<td>KM5FWESC</td>
</tr>
<tr>
<td>Workflow Analysis Enqueue Workspace for Service Class Systplex</td>
<td>KM5NWESC</td>
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</tr>
<tr>
<td>Workflow Analysis Enqueue Workspace for Service Class System</td>
<td>KM5NWESC</td>
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<tr>
<td>Workflow Analysis I/O Workspace for Service Class</td>
<td>KM5NWAIO</td>
<td>KM5FWAIO</td>
</tr>
<tr>
<td>Workflow Analysis I/O Workspace for Service Class Period</td>
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<td>Workflow Analysis I/O Report for Service Class System</td>
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</tr>
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<td>Workflow Analysis Workspace for Service Class</td>
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<td>Workflow Analysis Workspace for Service Class Period</td>
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<td>Workflow Analysis Workspace for Service Class Period System</td>
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<td>Workflow Analysis Workspace for Service Class System</td>
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<td>KM5NABIA</td>
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<tr>
<td>Address Space Bottlenecks Detail</td>
<td>KM5NASB</td>
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</tr>
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</table>

Table 4 lists the trace members used to collect trace data for system-level workspaces.

Table 4. Trace members listed by system-level workspace

<table>
<thead>
<tr>
<th>Workspace consuming data</th>
<th>RKANCMD trace member on</th>
<th>RKANCMD trace member off</th>
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<tr>
<td>Address Space Bottlenecks and Impact Analysis</td>
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<td>Address Space Bottlenecks Detail</td>
<td>KM5NASB</td>
<td>KM5FASB</td>
</tr>
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<td>Workspace consuming data</td>
<td>RKANCMD trace member on</td>
<td>RKANCMD trace member off</td>
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<td>---------------------------------------------------------------</td>
<td>--------------------------</td>
<td>---------------------------</td>
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<tr>
<td>Address Space Bottlenecks in Service Class Period</td>
<td>KM5NASB</td>
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<td>Address Space Bottlenecks Summary</td>
<td>KM5NASB</td>
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<tr>
<td>Address Space Common Storage - Active Users</td>
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</tr>
<tr>
<td>Address Space Common Storage - Allocation Details</td>
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<td>Address Space Common Storage - Orphaned Elements</td>
<td>KM5NACOE</td>
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<tr>
<td>Address Space Common Storage - Trend Details</td>
<td>KM5NACTD</td>
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<tr>
<td>Address Space CPU Usage Class and Period</td>
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<td>Address Space CPU Usage Details</td>
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</tr>
<tr>
<td>Address Space CPU Usage Enclaves</td>
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<td>Address Space CPU Utilization</td>
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<td>Address Space Details for Job</td>
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<tr>
<td>Address Space Storage - Subpools and LSQA</td>
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<tr>
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<td>KM5NXO</td>
<td>KM5FXO</td>
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</table>
Table 4. Trace members listed by system-level workspace (continued)

<table>
<thead>
<tr>
<th>Workspace consuming data</th>
<th>RKANCMD trace member on</th>
<th>RKANCMD trace member off</th>
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</thead>
<tbody>
<tr>
<td>OMEGAMON for MVS - LPAR Processor Statistics</td>
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<td>OMEGAMON for MVS - License Manager MSU and WLM Capping</td>
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<td>Storage shortage alerts details</td>
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<tr>
<td>Top User Performance</td>
<td>KM5NTUP</td>
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<tr>
<td>UNIX BPXPRMxx Values</td>
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<td>UNIX Files</td>
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<td>UNIX Hierarchical File System ENQ Contention</td>
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<td>UNIX Kernel</td>
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<td>WLM Service Class Information for Selected Address Space (Service Class Period Information)</td>
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<td>WLM Service Class Resources (WLM Service Class Information for Selected Enclave)</td>
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<td>zFS Overview</td>
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<td>zFS User Cache</td>
<td>KM5NZFSO</td>
<td>KM5FZFSO</td>
</tr>
<tr>
<td>z/OS System Overview</td>
<td>KM5NERS</td>
<td>KM5FERS</td>
</tr>
</tbody>
</table>

An example of the trace output in RKLVLOG from turning on the Resource Groups Data for Sysplex workspace using the KM5NRG member in RKANCMID is shown in the example below. The output is truncated beyond column 80 in this example. The prefix to the trace message consists of the date/time stamp, trace sequence number, probe name, source code line number, trace statement.

```
2006.072 14:13:11.69 (0288-EC079F23:korsgml,1540,"fetchWCL") Exit: 0x0
2006.072 14:13:11.69 (028B-EC079F23:korsgml,2583,"Get_SQL") Exit: 0x1
```
The names of the modules being traced appear in the trace log immediately following the recording of the name of the trace member itself. You can scan the trace output to see if these modules are producing output. Not every module listed will necessarily produce output, but there should be output from at least one of the modules. For example, the following is the trace output from trace member KM5NASO, for the Address Space Overview workspace. You can see the trace being activated for modules KM3ACAG, KM3ASAG, KRAM3ACB, and KRAM3ASB. You can also see output from three of those modules.

Capturing z/OS logs to send to IBM Software Support

You may be asked by IBM Software Support to save a log and send it to them. To save a log to a file rather than viewing the log online, you need to know how to save the contents of the log and how to end one RKLVLOG file and start another. You may be asked to save the log to a file by

Saving the contents of a log

To save the information in your z/OS logs (such as RKLVLOG), use the System Display and Search Facility (SDSF).
Follow these instructions to use SDSF to capture (in this example) the RKLVLOG associated with any running task in your monitoring agent.

1. From ISPF, select the SDSF option.

2. Enter the following on the command line:

   ```
   st taskname
   ```

   where `taskname` is the name of the procedure whose log you are trying to display and capture. For example, entering `st cansdsst` on the command line results in display of the OMEGAMON XE on z/OS monitoring agent job.

3. From the SDSF screen, enter `?` next to the name of the started task to display a list of the output files. For example, the output files for the OMEGAMON XE on z/OS monitoring agent task look like this:

   ```
   JESMSGLG  JES2
   JESJCL     JES2
   JESYSMSG   JES2
   SYSTSPRT   CANSOSST
   SYSPRINT   CANSOSST
   RKLVLOG    CANSOSST
   RKLVSNAP   CANSOSST
   RKPDLOG    CANSOSST
   ```

4. To print the RKLVLOG for this job to a data set, type `s` next to the RKLVLOG output file. Then, on the command line of SDSF, type:

   ```
   print d
   ```

   Press Enter. The `d` means that you want the file printed to a data set.

   The SDSF Print to Data Set panel is displayed.

   ![SDSF Print to Data Set panel](image)

5. On this panel, type the data set name and characteristics for the file you want to print, and press Enter.

6. You are returned to the RKLVLOG output file. On the command line, specify the number of lines you want to print by entering a range large enough to include the entire file, such as:

   ```
   print 1 99999999
   ```

   Then press Enter. A message in the upper right corner of the panel tells you how many lines are printed.
7. Type print close on the SDSF command line to close the file. The log is now saved in the specified data set.

For more information about SDSF commands, see z/OS SDSF Operation and Customization (SA22-7670).

**End one RKLVLOG and start another**

When you want to recreate a problem to send it to IBM Software Support, you can use a z/OS MODIFY command to close the current RKLVLOG spool data set and open a new one. This command is issued from a z/OS console or from the Tivoli Enterprise Portal (by means of a Take Action command). The TLVLOG command manages the recording of information to RKLVLOG.

The syntax and usage of this command are shown in the following diagram:

```
MODIFY stcname, TLVLOG SWITCH

[CLASS=class] [COPIES=copies] [DEST=dest]

[FCB=fcb] [FORM=form] [HOLD=YES/NO]

[MAXLINES=maxlines]

[UCS=ucs] [USER=user] [WTRNAME=wtrname]
```

where:

- **SWITCH**
  Dynamically allocates a new RKLVLOG file using the current values, begins recording on the new file, and closes the current RKLVLOG file, releasing it for processing by JES.

- **class**
  Is the one-character JES SYSOUT class. `CLASS=A` is the TMS:Engine startup value.

- **copies**
  Is the copy count. The valid range is 1-254. `COPIES=1` is the startup value.

- **dest**
  Is the 1-8 character JES SYSOUT destination. `DEST=0` is the startup value.

- **fcb**
  Is the 1-4 character FCB name to be used. `FCB=0` is the startup value.

- **form**
  Is the 1-4 character form name to be used. `FORM=0` is the startup value.

- **hold**
  Determines whether the SYSOUT is to be placed in a JES operator hold when spun off. Specify `YES` (operator hold is requested) or `NO`. `HOLD=NO` is the startup value.

  **Note:** If `HOLD=YES` is specified, you must issue the appropriate JES release command for the SYSOUT dataset to be processed.

- **maxlines**
  Is the maximum number of lines to be written to RKLVLOG, in thousands (for example, `MAXLINES=2` means a maximum of 2000 lines). The valid range is 0 through 16000 (16 million lines). When this number is reached, an automatic TLVLOG SWITCH is performed, closing the current RKLVLOG and allocating a new one. If the specified value is 0, there is no maximum; you must manually enter TLVLOG SWITCH to switch log files. `MAXLINES=0` is the startup value.

  **Note:** Unlike the other values, MAXLINES takes effect immediately. If the new MAXLINES value is less than the number of lines that have already been written to the current RKLVLOG, a switch is performed immediately.

- **ucs**
  Specifies the 1-4 character UCS name to be used. `UCS=0` is the startup value.

- **user**
  Is the 1-8 character user ID to which the SYSOUT is to be spooled. Ignored if `DEST` is blank. `USER=0` is the startup value.
wtrname

Is the 1-8 character external writer name to be used. WTRNAME=() is the startup value.

Note:
1. The TLVLOG command performs up to three functions, depending on the keywords specified. Assuming that you select all three functions, they are performed in the following order:
   a. Updates the dynamic allocation values. With the exception of MAXLINES, these values are used when the next dynamic allocation is performed. Values are updated whenever they are coded on the command.
   b. Lists the current dynamic allocation values. This is always done.
   c. Switches RKLVLOGs. This is done only when SWITCH is specified on the command.

You can update values and request a switch with the same command. The values are updated first, and then the switch is performed.

2. RKLVLOGs can be closed automatically after a certain number of records have been written to them. Refer to the MAXLINES keyword for more information.

3. To set up an automatic RKLVLOG switch whenever the TMS:Engine address space is started, add the following command to your RKANCMD startup CLIST:
   TLVLOG MAXLINES=n

   This command causes RKLVLOG to be closed and released to JES whenever n thousands of lines have been written. If needed, you can add other values (for example, CLASS) to this command.

4. Many diagnostic messages are recorded in RKLVLOG. If you set RKLVLOG to spin off automatically, or if you explicitly switch RKLVLOG, you must ensure that the SYSOUT files are kept at least for the life of the TMS:Engine run, in case they are required for problem solving.

5. You might want to issue a TLVLOG SWITCH command after a problem occurs. This spins off the RKLVLOG data related to the problem into a separate spool data set, which can be included in the problem documentation. Be sure to include all previously spun-off RKLVLOG files.

6. Because RKLVLOG is managed with standard IBM data management routines, records are buffered before being written. If you are viewing the currently active RKLVLOG with a product such as SDSF, you do not see the latest messages. Issue the command FLUSH TLVLOG to force the current data management buffer to be written. Do not use the TLVLOG SWITCH to spin off the current RKLVLOG for this purpose, as it fragments the messages recorded in RKLVLOG.

7. Unless you explicitly set a non-zero MAXLINES value, RKLVLOG never switches automatically.

8. If an error occurs when writing to RKLVLOG, TMS:Engine issues a message and disables RKLVLOG recording. However, messages are still written to VIEWLOG and to all active operator interfaces. Depending on the error, you might be able to restart RKLVLOG by issuing a switch request.

Here are some example of ways to use this command:
• To list the current RKLVLOG destination and values:
  tlvlog

• To establish class X and destination SYSPROG as default SYSOUT attributes, and the maximum number of lines as 20,000:
  tlvlog class=x dest=sysprog maxlines=20

• To switch to a new RKLVLOG:
  tlvlog switch

Flushing the log buffers
After a TLVLOG is switched, issuing an echo command can flush the log buffers and ensure that new messages are written to the new RKLVLOG. The ECHO command echoes any text entered back to the screen.
The syntax of the ECHO command is shown in the following diagram:

```
ECHO [string]
```

where `string` is a character string to be echoed back to the operator screen where the ECHO command was entered.

**Note:**
1. Use ECHO to verify that the TMS:Engine operator facility is functioning properly and to force all buffered messages to the log.
2. Even after an ECHO, log output might not be visible in JES3 systems, because of the way JES3 manages spool buffers.
3. Enclosing `string` in single quotes is necessary only if you want to preserve leading blanks.

---

**Understanding and using trace logs**

Trace logs contain a mix of status lines and numbered product messages. Most messages with IDs are documented in the troubleshooting guide for each monitoring agent or in the IBM Tivoli Monitoring messages manual. You can also determine the meaning of a message by entering the message number into an Internet search engine such as Google. The information that follows helps you interpret the messages and status lines in a z/OS log.

**Format of messages in a RAS1 log**

A RAS1 log for a monitoring agent contains environmental information, component information, and formatted output.

A RAS1 log for a monitoring agent on z/OS includes the following information:

- **Environmental information**
  - Operating system and CPU data. This information is prefaced with the following string:
    ```
    pppx.xmmm
    ```
    where:
    - `ppp` is the component prefix.
    - `xx` is the component code.
    - `mmm` is the module name.
  - Initial command line settings

- **Component summary:**
  - Name of the module
  - Information about where the library was loaded from
  - Date and time the module was compiled
  - Version (if this detail was specified)

- **Formatted output**, including entry and exit points and text strings. Entry and exit points show flow into and out of a given function. The exit shows the return code, if applicable. The text depends on the kind of trace specified. Here is an example:
  ```
  (00D41 9FC-1[99%]:KppMAIN.CPP,953,"MainWnd::MainWnd") Entry
  (00D41 FD3-1[99%]:KppMAIN.CPP,999,"MainWnd::MainWnd") Exit
  Time,Thread,%stack avail,pgm_name,Line#,function,text
  ```
  As noted earlier, not all functions are RAS1-enabled, and trace level might exclude some paths.
Chapter 3. Common problems and solutions

This section contains information about problems that might arise while you are using the Tivoli Enterprise Portal user interface to monitor your z/OS systems or to issue Take Action commands. Some of the symptoms described may be traced to installation, configuration, or security problems, but they are typically experienced as usage problems. It also contains information that can help you avoid problems.

Preventing installation problems on Linux and UNIX systems

Installing application support on the Tivoli Enterprise Portal installs the files that the portal server and clients require to present OMEGAMON XE on z/OS workspaces and help. Installing application support on the hub Tivoli Enterprise Monitoring Server installs product-provided situations, templates, and other product-specific data in the Enterprise Information Base (EIB) tables. On Linux and UNIX systems, problems often arise because application support for OMEGAMON XE on z/OS is not installed on Tivoli Management Services components, or because support is not installed correctly.

Installing application support on a Linux or UNIX system is a looped procedure, with up to four iterations:

- Installing application support on the browser client framework.
- Installing application support on the desktop client.
- Installing application support on the portal server.
- Installing application support on the monitoring server (if the hub is on the local Linux or UNIX system).

Application support can be installed on only one component at a time.

After application support has been installed, the Tivoli Enterprise Monitoring Server must be stopped and then restarted. The Tivoli Enterprise Portal Server and the desktop client must be reconfigured.

For detailed instructions for installing application support, see IBM Tivoli OMEGAMON XE on z/OS: Planning and Configuration Guide

No data in z/OS Sysplex Enterprise Overview workspace

If you have a hub monitoring server on a Linux or AIX® computer and you are not getting data z/OS Sysplex Enterprise Overview workspace, the OMEGAMON XE on z/OS meta-probes may not have been installed. OMEGAMON XE on z/OS uses meta-probes on distributed hubs to collect sysplex-level data from remote Tivoli Enterprise Monitoring Servers.

To see if the meta-probes have been installed or not, issue the following command from <itmhome>/bin directory:

```
> cinfo -i
```

Look for the m5 product code. For example:

```
  m5  OMEGAMON XE on z/OS
  arch Version: 04.10.00.00  <-----metaprobes installed here
  tns  Version: 04.10.00.07
  tps  Version: 04.10.00.07
  tpw  Version: 04.10.00.00
```

where the value of arch is the UNIX platform where the monitoring server is installed.
If the meta-probes are installed, try reconfiguring the hub monitoring server using the following commands:

```plaintext
> itmcmd server stop telsname
> itmcmd config -S -t telsname
> itmcmd server start telsname
```

---

**Selection list is empty when installing OMEGAMON XE on z/OS application support on Windows**

If you attempt to install OMEGAMON XE on z/OS application support on a Windows system and find an empty selection list on the **Select Features** window of the InstallShield, make sure that the Tivoli Enterprise Portal Server is already installed on the workstation.

This is the required order for installing distributed components:

1. **DB2 Universal Database™ (DB2® UDB) Workgroup Server Edition**
   You can install DB2 UDB from the installation CDs included in the OMEGAMON XE on z/OS product package.

2. **Tivoli Enterprise Portal Server**
   You can install the portal server from the IBM Tivoli Monitoring CDs included in the OMEGAMON XE on z/OS product package. If you want to install the Tivoli Enterprise Portal desktop client on the same system as the Tivoli Enterprise Portal Server, you can install them at the same time.

3. **OMEGAMON XE on z/OS application support**
   You can install OMEGAMON XE on z/OS application support from the IBM Tivoli OMEGAMON Data Files for z/OS CD included in the product package.

For detailed instructions on installing and configuring the product components, see the IBM Tivoli OMEGAMON XE on z/OS: Planning and Configuration Guide and the IBM Tivoli Monitoring: Installation and Setup Guide.

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**Unexpected interface behaviors in a mixed version environment**

If you are in the middle of a staged upgrade, you might have a combination of monitoring agents of different versions operating in your environment. For example, you might have an OMEGAMON XE on z/OS V4.2.0 monitoring agent and a OMEGAMON XE on z/OS V4.1.0 monitoring agent running on another z/OS system during the upgrade period. Or you might have an OMEGAMON XE on z/OS V4.2.0 monitoring agent and an OMEGAMON XE for CICS® on z/OS V4.1.0 monitoring agent running on the same system.

In a staged upgrade environment, you should expect the following behaviors:

- If you use a cross-product workspace link to navigate directly from an OMEGAMON XE on z/OS V4.2.0 workspace to an OMEGAMON XE for CICS on z/OS V4.1 or OMEGAMON XE for Mainframe Networks workspace, the link resolves as long as the target workspace exists in the V4.1 product and the Tivoli Enterprise Portal user ID is authorized to access OMEGAMON XE for CICS or OMEGAMON XE for Mainframe Networks. If the target workspace does not exist or is unavailable (for example, if the OMEGAMON XE on CICS monitoring agent is installed but the monitoring agent is not running), the Tivoli Enterprise Portal issues a **Target Not Found** message (KFWITM081E).

- When an operator sitting at a Tivoli Enterprise Portal monitors a system running a V4.2.0 monitoring agent, the workspaces and attributes available for monitoring and for creating situations reflect V4.2.0. When this same operator monitors a system running a monitoring agent of the previous version, the product information reflects the V4.2.0 code running on the Tivoli Enterprise Portal, not the code from the previous version running in the monitoring agent. This potentially misleading information can be seen in flyovers, online help, and information provided in the Situation editor. Support of a mixed-version environment is meant as an upgrade aid, but operators working in such a transitional environment might encounter unexpected user interface behavior.
OMEGAMON XE on z/OS version 4.2.0 provides some new attribute groups and attributes not provided in previous versions. In an enterprise configuration containing OMEGAMON XE on z/OS monitoring agents of more than one version level, the navigation tree does not show the same workspaces for all z/OS systems. When sysplex-level table views are built by combining data from all members of the sysplex, the value Unavailable is displayed in columns where a monitoring agent of an earlier version does not provide data for the column.

### Data is missing for some attributes or workspaces

Some attributes and workspaces display data only when specific conditions are met. If you are missing data for some attributes or workspaces, ensure that the prerequisite conditions are met. Note that if you have enabled RMF collection of coupling facility data, the Path Workspace for CF Systems will contain no data.

Table 5 lists the requirements for data collection for workspaces and attributes.

<table>
<thead>
<tr>
<th>Data is available for</th>
<th>Only if</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Hour MSUs attribute in the System CPU Utilization attributes group</td>
<td>A defined capacity is used as a basis for pricing and the z/OS system is not running as a guest on z/VM.</td>
</tr>
<tr>
<td>Channel Path attributes</td>
<td>The Resource Measurement Facility (RMF) has been started.</td>
</tr>
<tr>
<td>Common Storage attributes</td>
<td>The Common Storage Area Analyzer (CSA Analyzer) is started.</td>
</tr>
</tbody>
</table>
| Coupling facility and cross coupling facility (XCF) data collected by the Resources Management Facility (RMF) Distributed Data Server (DDS) | • You are running z/OS V1.8 or higher with the following RMF components activated:  
  - RMF Control Task (RMF)—one instance on each system  
  - RMF Monitor III Gatherer (RMFGAT)—one instance on each system  
  - RMF Distributed Data Server (GPMSERVE)—one instance per sysplex  
  • You have enabled RMF data collection as described in OMEGAMON XE on z/OS: Planning and Configuration Guide. |
| Cryptographic attributes                                  | At least one IBM cryptographic coprocessor is installed and configured and the KM5EXIT3 exit is installed in the Integrated Cryptographic Service Facility (ICSF).  
  Note: The KM5EXIT3 exit is shipped and installed with OMEGAMON XE on z/OS. See IBM Tivoli OMEGAMON XE on z/OS: Configuration and Planning Guide for more information. |
| DASD MVS workspace and DASD MVS Devices attributes         | The Resource Measurement Facility (RMF) has been started.               |
| Dynamically-bound PAV aliases                              | The system you are monitoring is running z/OS V1.8 or later.            |
| GRS Ring Systems attributes                                | The global resource serialization (GRS) complex is in ring mode. (If the complex is in star mode, only the name, status, and ring acceleration of each system are available.) |
| HiperDispatch Management and HiperDispatch Logical Processors attributes | HiperDispatch Management mode is On.                                    |
| Integrated Facility for Applications (IFA) on CP resource times at the address space and service class period level | Either  
  • z/Series Application Assist Processors are configured on the systems, or  
  • Java applications are started using a switch (-Xifa:force) |
| LPAR cluster attributes                                    | The z/OS system is not running as a guest on z/VM.                     |
### Table 5. Requirements for data (continued)

<table>
<thead>
<tr>
<th>Data is available for</th>
<th>Only if</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model Permanent Capacity ID and Rating and Model Temporary ID and Rating</td>
<td>System hardware is z10™ or later.</td>
</tr>
<tr>
<td>Promoted Percent</td>
<td>The z/OS V1.9 Workload Manager blocked workload capability is enabled.</td>
</tr>
<tr>
<td>Sysplex DASD attributes (Sysplex DASD Device, Sysplex DASD Group, Sysplex DASD)</td>
<td>A DASD filter situation is enabled.</td>
</tr>
</tbody>
</table>

**Suspend lock and spin lock data**

- You are running z/OS V1.10 or higher with the following RMF components activated:
  - RMF Control Task (RMF)–one instance on each system
  - RMF Monitor III Gatherer (RMFGAT)–one instance on each system
  - RMF Distributed Data Server (GPMSERVE)–one instance per sysplex
- You have enabled RMF data collection as described in *OMEGAMON XE on z/OS: Planning and Configuration Guide*.
- Lock data collection is enabled on RMF.

**User Response Time attributes**

The End to End (ETE) Response Time collector is started.

**Note:** The ETE response time collector is shipped and installed with the OMEGAMON XE on z/OS product. It is configured as part of the configuration of the OMEGAMON II for MVS component and is started as a separate started task.

**zAware attributes**

The following prerequisites must be completed:

- You must configure every LPAR that drives the zAware agent as enabled for AT-TLS encryption.
- ICSF must be enabled to support zAware user ID and password encryption.
- A valid zAware user ID and password must be specified so that the OMEGAMON XE on z/OS agent can authenticate with the zAware server.

For more information about completing these prerequisite steps, see the *OMEGAMON XE on z/OS: Planning and Configuration Guide*.

**zFS attributes**

zFS is specified as the file system on the monitored system (that is, FILESYSTYPE TYPE(ZFS) is specified in SYS1.PARMLIB(BPXPRMxx)).

**Note:** On z/OS 1.10, OMEGAMON XE on z/OS uses an address space name of ZFS, unless the parameter KM3KZFSASNM=xxxxxxx (where xxxxxxxx is the started task (STC) name of the zFS address space) has been added to the &rhilev.&rte.RKANPARU(KDSENV). For z/OS 1.11 and later, the zFS name is obtained from the system, so this parameter does not need to be coded.

z/OS UNIX System Services attributes

The address space where the OMEGAMON XE on z/OS product is running has SUPER USER authority. This level of authority is equivalent to root (UID=0).

---

**Data is missing from Sysplex workspaces**

If you are upgrading in stages, all of the monitoring servers eligible to be the sysplex proxy should be upgraded concurrently. If the proxy in on a monitoring server that has not been upgraded, or switches to one, some or all of the Sysplex workspaces contain no data and the workspace views show SQL errors.

You can verify this problem by looking at the monitoring server RKLVLOG file. You should see errors like the following:
Workflow Analysis for Service Class Period

TEP error: "KFWITM217E Request error: SQL1_CreateRequest failed, rc=202 + SQL1_DistReqError"

TEMS rklvlog messages:
kdsrcl.c,5801,"CreateRequest") Cannot create request, status = 67109066
kdsrcl.c,5228,"SetupRequest") Cannot create request, status = 67109066
kdsrcl.c,4672,"CreateDistRuleTree") Cannot setup request, status = 67109066
kdssc1.c,1135,"CreateDistributedSituation") Cannot create the RULE tree
kdspmou1.c,705,"PM1_CompilerOutput") Cannot set root table, status = 67109066
kdspmou1.c,1063,"CreateTable") VPM1_Output Failed status: 67109066
kdspmou1.c,1064,"CreateTable") Compiler output error, status = 67109066
kdsvvs1.c,1368,"CreateServerView") Bad status from VPM1_CreateTable, 67109066
kdspac1.c,1979,"VPA1_CreateRequest") Create request failed with return code 6710

Coupling Facility Policy Data for Sysplex

TEP error: "KFWITM217E Request error: SQL1_CreateRequest failed, rc=209 + SQL1_DistReqError"

TEMS rklvlog messages:
kdsrcl.c,5228,"SetupRequest") Cannot create request, status = 67109073
kdsrcl.c,4672,"CreateDistRuleTree") Cannot setup request, status = 67109073
kdssc1.c,1135,"CreateDistributedSituation") Cannot create the RULE tree
kdspmou1.c,705,"PM1_CompilerOutput") Cannot set root table, status = 67109073
kdspmou1.c,1063,"CreateTable") VPM1_Output Failed status: 67109073
kdspmou1.c,1064,"CreateTable") Compiler output error, status = 67109073
kdsvvs1.c,1368,"CreateServerView") Bad status from VPM1_CreateTable, 67109073
kdspac1.c,1979,"VPA1_CreateRequest") Create request failed with return code 6710

To resolve the problem, identify and upgrade any proxy-eligible monitoring servers to the current version of the Tivoli Enterprise Portal Server.

Data is missing from all workspaces

If a monitoring agent is not installed in the same consolidated software inventory (CSI) as a z/OS hub monitoring server, its catalog (CAT) and attribute (ATR) files must be manually transferred to the RKANDATV data set of the hub monitoring server. For example, you might have a Windows agent reporting to a z/OS hub, or you might have an OMEGAMON XE for CICS on z/OS agent installed in another Sysplex, but none on the hub system. The CAT and ATR files for these agents would need to be copied to the hub. Similarly, if you are using a z/OS hub, and you want to aggregate and prune historical data for any agent, you must transfer the CAT and ATR files for the Summarization and Pruning agent to the hub.

If these files are not located on the hub, all the workspaces for that type of agent contain no data. The workspaces show KFWITM217E Request error: SQL1_CreateRequest failed, rc=209, and the RKLVLOG shows many errors building situations.

The required CAT and ATR files are installed on the Tivoli Enterprise Portal Server when you install application support for an agent. From there you can then transfer them to the hub. There are a number of ways to transfer these files. If the Tivoli Enterprise Portal Server is installed on a Windows system, you can use the Manage Tivoli Monitoring Services utility as follows:

1. Launch Manage Tivoli Monitoring Services. For example, Start > All Programs > IBM Tivoli Monitoring > Manage Tivoli Monitoring Services.
2. Right-click the Tivoli Enterprise Portal Server entry and select Advanced > Utilities > FTP Catalog and Attribute files from the pop-up menu.
   The Select attribute and catalog data for transfer dialog box is displayed.
3. Select the files you want to transfers, holding down the Ctrl key to select multiple files. For example, for a Windows agent, select Attribute data for Windows OS Support, then hold down the Ctrl key, scroll to the right of the list in the dialog box, and select Catalog data for Windows OS Support, then click OK.
4. In the FTP TEMS data to z/OS dialog box, provide the following information:
• The name or IP address of the hub Tivoli Enterprise Monitoring Server
• A valid FTP user ID and password
• The fully qualified name of the RKANDATV data set (DSN)

5. After you have completed these fields, click OK to transfer the files. Click OK again to dismiss the completion confirmation popup.

**Information in a workspace is inconsistent or a table in a workspace has no rows**

It is important to keep in mind that the workspaces displayed in the Tivoli Enterprise Portal are static, while the z/OS data is dynamic. When you view a workspace, you see data values from the most recent data collection. Data can change between the time it is collected and the time it is displayed on the workstation, and you might see inconsistencies caused by different times of data collection for different data items in the workspace.

For example, in the **UNIX Processes** workspace, you might see a process running in an address space with a certain ASID but not find a dubbed address space with the same ASID. Such a discrepancy is possible when data collection occurs just as a process is being created or terminated. Inconsistencies of data are more likely when you use links, because data in a workspace might have been collected seconds or even minutes before you click the link.

You might also see a workspace table with no rows in it. For example, in the **UNIX Processes** workspace, if you are viewing the data for a process and you select a link to its children, the resulting table has no rows if no children are found, even though there might have been children earlier. Because the link navigates to a workspace containing two tables (one for the parent process you linked from, and the other for the child processes), both tables can be empty if the parent process has terminated.

**Coupling facility, cross-coupling facility, or system lock information is missing**

OMEGAMON XE on z/OS can be configured to obtain coupling facility data from the Resource Measurement Facility (RMF) Distributed Data Server (DDS) instead of collecting its own data. If the monitoring agent is configured to obtain data from RMF, but the necessary RMF components have not been started, no data is displayed.

In order for data to be available, the following RMF components be activated:
• RMF Control Task (RMF)--one instance on each monitored system
• RMF Monitor III Gatherer (RMFGAT)--one instance on each monitored system
• RMF Distributed Data Server (GPMSERVE)--one instance per sysplex.

The z/OS system that is running the DDS (the GPMSERVE address space) must be at the 1.8 level. Monitor III address spaces running on lower-level z/OS systems are compatible with the DDS as long as the DDS itself is on the 1.8 system. The z/OS system that is running the sysplex proxy monitoring server must be at the 1.7 or above level.

By default, RMF data collection is disabled. Enabling RMF data collection involves three steps:
• Defining RACF® IDs for the address spaces that will be using RMF data.
• Enabling the RACF secured signon PassTicket function for the DDS.
• Activating RMF collection on the Tivoli Enterprise Monitoring Server.

If RMF data collection is activated, but there are problems with the secure logon, you may see empty coupling facility workspace views in the Tivoli Enterprise Portal. The following diagnostic message in the RKLVLOG indicates that secure signon using PassTickets is not working:
RMF request failed using PassTicket

If this message appears, verify that the RACF rules have been activated and that any issue with RACF user exit has been addressed. For complete information about configuring OMEGAMON XE on z/OS to use RMF data collection, see *IBM Tivoli OMEGAMON XE on z/OS: Planning and Configuration Guide*.

---

Some UNIX System Services processes are missing from the UNIX workspaces

The OMEGAMON XE on z/OS monitoring agent can collect UNIX System Services data only if it has UNIX superuser authority; that is, if the started task of the monitoring server (CANSDSST) is associated with UNIX System Services uid(0). Without this authority, the UNIX Processes workspace might appear to be functioning correctly, but some processes are missing from the workspace tables.

If you suspect that UNIX System Services data is missing, ensure that the Tivoli Enterprise Monitoring Server address spaces are identified to the SAF as UNIX System Services users with superuser authority as documented in *IBM Tivoli OMEGAMON XE on z/OS: Planning and Configuration Guide*.

---

Take Action commands show return code 0 but are unsuccessful

If you submit a Take Action command from the Tivoli Enterprise Portal (which is always on a distributed system) to a z/OS system, a return code of zero displayed in the portal interface indicates successful submission of the command but gives no indication of the result.

You can find the command output in the z/OS SYSLOG.

---

UNIX Take Action commands are unsuccessful

By default, any command issued on behalf of OMEGAMON XE on z/OS is issued as a z/OS command. However, by prefixing a command with one of three prefixes (UNIX:, Unix:, or unix:) you can cause the command to be issued as a UNIX command. The Tivoli Enterprise Portal user IDs that issue UNIX commands must be authorized as UNIX System Services users and the environment in which the commands are issued must have certain characteristics. If UNIX commands are failing, ensure that the required authorization and environment are in effect.

If UNIX commands are failing, perform the following checks:

- Verify the syntax of the commands of the commands and that an appropriate prefix has been appended.
- Verify that the environment in which the commands are issued is appropriate, as described in the *IBM Tivoli OMEGAMON XE on z/OS: User’s Guide*.
- Check the authorization of the Tivoli Enterprise Portal user ID under which the command is being issued, as discussed in the *IBM Tivoli OMEGAMON XE on z/OS: Planning and Configuration Guide*.

Optional parameters in the &shilev.&rtename.RKANPARU(KDSENV) file change the authorization level required for Tivoli Enterprise Portal users to enter UNIX commands. These parameters do not persist across reconfiguration and need to be reinstated after a configuration change. See the *IBM Tivoli OMEGAMON XE on z/OS: Planning and Configuration Guide* or the *IBM Tivoli OMEGAMON XE on z/OS: User’s Guide* for details.
z/OS Take Action commands fail

Authorization for z/OS Take Action commands can be restricted to a limited number of trusted users by routing the commands to IBM Tivoli NetView® on z/OS for execution. Take Action commands issued in NetView make full SAF calls for authorization. If forwarding of z/OS Take Action commands to NetView is enabled, the commands may fail to execute because forwarding has been incorrectly configured or Tivoli Enterprise Portal user IDs have not been correctly defined to NetView.

Forwarding or authorization of commands may fail for several reasons:

• The PPI receiver specified during configuration does not match the receiver specified on the NetView APSERV command or is incorrectly specified.
  If the specified name is incorrect or the receiver is not active on NetView, default command routing is performed and commands are not authorized.
  Confirm that the name of the NetView PPI receiver specified during configuration of the Tivoli Enterprise Monitoring Server (the KGLHC_PPI_RECEIVER parameter in the KDSENV member of the &rhilev.&rtename.RKANPARU library) is correctly specified and matches the receiver name that is specified on the NetView APSERV command.
  The receiver must be a 1-8 character, unique identifier for the receiver program. It can contain alphabetic characters A-Z or a-z, numeric characters 0-9, and the following special characters: dollar sign ('$'), percent sign ('%'), ampersand ('&'), at sign ('@'), and number sign ('#'). This value must match the value specified in the NetView DSIPARM initialization member, CNMSTYLE. For more information, see the IBM Tivoli OMEGAMON XE on z/OS: Planning and Configuration Guide.

• The Tivoli Enterprise Monitoring Server cannot locate the NetView CNMLINK data set.
  To connect to NetView, the monitoring server needs to reference the NetView CNMLINK data set. This data set must be concatenated to the RKANMODL statement in the monitoring server started task (by default, CANSDSST). For more information, see the IBM Tivoli OMEGAMON XE on z/OS: Planning and Configuration Guide.

• The Tivoli Enterprise Portal user IDs forwarded with the commands are not defined to NetView.

• NetView is not at the correct level.
  Take Action forwarding requires NetView on z/OS V5.2 with APAR OA18449 applied.

No OMEGAMON XE on z/OS predefined situations are listed in the Situation Editor

If the list of predefined situations listed in the Situation Editor does not include any OMEGAMON XE on z/OS situations, verify that application support has been installed on the Tivoli Management Services components, that the Tivoli Enterprise Portal Server has been reconfigured, and the Tivoli Enterprise Monitoring Server has been recycled.

For instructions on installing application support, see the IBM Tivoli OMEGAMON XE on z/OS: Planning and Configuration Guide. For the required order of steps on Linux and UNIX systems, see “Preventing installation problems on Linux and UNIX systems” on page 29.
Cross-product links do not function: message KFWITM081E

Cross-product links from OMEGAMON XE on z/OS workspaces to workspaces in other OMEGAMON XE products function only if a monitoring agent (V3.1 or higher) of the target type is installed and running on the target system. If no agent is installed, the message **The link target can not be found** is displayed when you attempt to link to the workspace. If you see this message even though the target monitoring agent is installed on the z/OS system, check to make sure the agent is running.

If you installed application support for monitoring agents that you have not installed, links to these agents' workspaces appear as valid destinations for dynamic cross-product links. To prevent the inclusion of misleading links, install application support only for the monitoring agents that you have installed.

Unless your environment is configured so that all monitoring agents are running on all z/OS systems being monitored, the KFWITM081E message does not necessarily indicate a problem.

Cross-product links are missing from the link list

Cross-product workspace links to workspaces for other OMEGAMON XE monitoring agents are displayed in the link list only if the product you are linking to has been installed and your Tivoli Enterprise Portal user ID is authorized to access that product.

If a cross-product link is missing from the link list, verify that your user ID is authorized to access the Tivoli OMEGAMON XE on z/OS product and that you have installed application support for both OMEGAMON XE on z/OS and the targeted product.

DASD MVS Devices workspace takes a long time to refresh and uses high CPU

To speed up refresh of the DASD MVS Devices workspace and reduce CPU consumption in the monitoring server, specify filter criteria in the queries that are used by this workspace. Specifying stricter filter criteria will reduce the number of devices selected for processing and display at the Tivoli Enterprise Portal.

To edit the filter criteria, complete the following procedure:

1. Log on to the Tivoli Enterprise Portal and launch the Query editor from the toolbar, or type Ctrl+Q.
2. Expand the MVS System entry, then the DASD MVS Devices entry, and click the DASD MVS Devices query.
3. Click the Create Another Query icon.
4. Enter a name for the query (for example, DASD MVS Devices Filtered).
5. Specify filter criteria for the Response or Percent Busy columns, or both.

   **Note:** Filter criteria can be specified for other columns, but the two are the only attributes that will have a noticeable effect on refresh time and CPU consumption.

6. Save the query.
7. Select **Edit > Administer Users**, and click your user ID.
8. Scroll to the end of the Permissions window and click **Workspace Administration**.
9. Make sure that both **Workspace Administration Mode** and **Workspace Author Mode** are checked.
10. Click the **Apply** button, then the **OK** button.
11. Select the DASD MVS Devices workspace.
12. After the workspace opens, right-click the table display and select **Properties**.
13. Click the button that says “Click here to assign a query” and select your new filter query, then click the **Apply** button.

14. Repeat step 13 for each of the Bar Chart views.

15. Select **File > Save Workspace As** and enter a new name for the workspace, such as DASD MVS Devices Filtered.

16. Click the button to save the workspace as the default for this Navigator item.

17. Repeat steps 7-10 to reset your permissions to their previous settings, if appropriate.

**KM2INIT OMEGAMON Subsystem not active**

You might receive this message while logging in to the OMEGAMON II for MVS CUA interface.

Use the following steps to isolate the problem:

1. Ensure the OMEGAMON subsystem is up and running.

2. If you did not use the default CNDL name for the OMEGAMON subsystem, verify that all the configuration steps were done correctly.

3. Ensure KCANDLI and KCNDLI are present in RKANMOD.

4. Verify that RKANPARU has a member KCNSTR00 and verify the SSID= is set to name of your OMEGAMON Subsystem.

5. Check the startup procedure for the OMEGAMON Subsystem to ensure that it is picking up the correct SSID.

6. Check to see if the procedure for OMEGAMON for MVS (classic) is missing the RKANPAR DD card that should point to your RKANPARU and RKANPAR data sets.

If none of these steps resolve the problem, send in the output from the OMEGAMON Subsystem started task along with the RKLVLOG from the CUA interface for further diagnostics.

**Monitoring of UNIX System Services mounted file system affects AutoMount and UnMount**

OMEGAMON XE on z/OS monitoring of UNIX System Services mounted file systems issues the `statvfs` (BPX1STV) API call to obtain buffer and storage statistics for the file system. It is appropriate for the monitoring server task (OMDSCMS) to touch all mounted file systems in this way; however, the frequency of this monitoring can cause a problem with Automount/UN-Mount being slow or Automount/UN-Mount failing altogether.

Frequency of the monitoring can be controlled by the KOE_MFSB_WUI, KOE_MFSB_TBI and KOE_MFSB_MDI parameters in the &rilev.&rte.RKANPARU(KDSENV) file (see [Table 6])

Set the values closer to their maximum and monitor over time to see if the AutoMount or UnMount problem is resolved.

**Table 6. MFS background collection interval values (in seconds)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Controls</th>
<th>Default</th>
<th>Min</th>
<th>Max</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>KOE_MFSB_WUI</td>
<td>Wake-up interval</td>
<td>90</td>
<td>10</td>
<td>600</td>
<td>Specifies how often the background collection will make a determination on whether to collect new data.</td>
</tr>
<tr>
<td>KOE_MFSB_TBI</td>
<td>Throttle-back interval</td>
<td>300</td>
<td>240</td>
<td>3600</td>
<td>Specifies the period after which collection is skipped if data is not referenced.</td>
</tr>
<tr>
<td>KOE_MFSB_MDI</td>
<td>Maximum-dormant interval</td>
<td>600</td>
<td>300</td>
<td>3600</td>
<td>Specifies the period after which new data will be collected, whether or not it has been referenced by an agent.</td>
</tr>
</tbody>
</table>
UNIX System Services mounted file systems data is not updated when refreshed

To avoid disrupting other agent work in the Tivoli Enterprise Monitoring Server in cases where MFS collection has many file systems to process or may be hung due to system work on HFS files, all data collection is done in the MFS background process at specific intervals as specified by or defaulted to through the KOE_MFSB_WUI, KOE_MFSB_TBI and KOE_MFSB_MDI parameters in &rthlev.&nte.RKANPARU(KDSENV) file.

If more regularly updated MFS statistics are needed, the maximum-dormant interval (KOE_MFSB_MDI) may need to be lowered. The wake-up interval (KOE_MFSB_WUI) value may also be lowered, but lowering the value will only be effective if the data is being referenced by the workspaces or situations.

Portal server, monitoring server hang when UNIX System Services Overview workspace is selected

On z/OS systems with RACF data bases defined before OS/390® v2.10, or with databases not at stage 3 of application identity mapping, if VLF caching and the UNIXMAP class are not used, significant performance degradations may result as user IDs and group names are associated with UIDs and GIDs for UNIX processes. As a result, when the UNIX System Services Overview workspace is selected, the portal server hangs. The proxy hub and remote monitoring server hangs or slows down with a high CPU condition. KDSMDTE messages may be seen in the monitoring server log.

The following items are indications of this problem condition:
• The IRRIRA00 utility outputs the message “IRR66017I The system is currently operating in stage 0”.
• The COFVLFxx member of SYS1.PARMLIB does not contain definitions for the IRRGMAP and IRRUMAP VLF classes or VLF is not active, or both.
• The UNIXMAP class is not defined and active in RACF.
• The system trace table from a dump taken during the hang or slowdown shows many SVC 84s, which each issue ENQs and EXCPVRs. There may be a WAIT for the ENQ as well as multiple I/Os for each SVC 84.
• When the remote monitoring server is run with KBB_RAS1=(UNIT:KOE04* ALL) tracing and the UNIX System Services Overview workspace is referenced, the RKLVLOG will show moderate to severe delays between some instances of the following messages:
  – KOE04A - About to call BPX1GPS; token is nnnnnnnnnn.
  – KOE04A - PS_WORKA:

Refer to the RACF and UNIX System Services documentation to set up the appropriate VLF caching and UNIXMAP classes.

AT-TLS configuration errors after successful connection to zAware

AT-TLS configuration errors occur some time after you successfully connected to zAware.

Problem description

If after a period of successful connection to a zAware server, AT-TLS configuration errors occur, a possible cause is that the zAware appliance was updated with a new security certificate.

Symptoms of this problem are
• In the zAware Analysis workspace, the zAware Server Status shows a value of AT-TLS Configuration Error.
• The KM5_zAware_Server_Status situation raises an alert.
You see an error message similar to the following in the RKLVLOG file:
(0000-E0F0378B:kdebvt.c,56,"KDEB_VerifyTLS") <0x1F217400,0x38> EZBZTLSP QUERY failure, rc=-1, errno=89

Solution

Use RACF commands for AT-TLS to update the zAware certificate. For more information, see the AT-TLS Configuration task in the IBM Tivoli OMEGAMON XE on z/OS Planning and Configuration Guide.

zAware error messages in system console and RKLVLOG file

If zAware situations are exported to LPARs that are not being monitored by zAware, error messages are seen on the system console and in the RKLVLOG file.

Messages such as the following are seen on the system console:
IXG231I IXGCONN REQUEST=CONNECT TO LOG STREAM zAware.LOG.STREAM DID 769
NOT SUCCEED FOR JOB M570DSST. RETURN CODE: 00000008 REASON CODE:
0000080B DIAG1: 00000000 DIAG2: 00000000 DIAG3: 00000000 DIAG4:
00000000

Messages such as the following are seen in the RKLVLOG file:
KM5ZAI010I IXQUERY Return code 00000008 Reason code 00000840
KM5ZAI012E zAware environment error.
(0000-D7288783:km5zaag,679,"TakeSample") km5zaag: KM5ZAIQY call failed, rc=8

To prevent these errors, do not distribute zAware situations to LPARs that are not being monitored by zAware.

Monitoring server prolonged startup and potential shutdown

This problem can occur if you upgrade to OMEGAMON XE on z/OS V5.1.0 (and later versions) and the OMEGAMON Management Console (HKHL410 FMID) component has a HL410 Agent that is configured in the same RTE as the OMEGAMON XE on z/OS (M5) Agent.

About this task

Duplicate occurrences of the following message in the monitoring server RKLVLOG file are an indication of this problem condition:
"Catalog information error, status = 202"

If obsolete ODI files KHLATR and KHLCAT from the OMEGAMON Management Console are present in the RKANDATV library, the z/OS monitoring server attempts to read them and this problem occurs.

Procedure

Take one of the following actions to resolve the problem:

- To resolve by using PARMGEN: If you used PARMGEN to configure and the problem is present, the RKANDATV library was not accessible to the DELRUN step in the PARMGEN WKANSAMU(KC1JPL0D) job. You must run this portion of the RTE Load job again when the RKANDATV library is available.
- To resolve by using ICAT: Before you start the monitoring server, delete the KHLATR and KHLCAT files from the RKANDATV library of every RTE. You must run this manual step after any subsequent rerun of the ICAT RTE Load job.
Troubleshooting no data conditions on the OMEGAMON Enhanced 3270 User Interface

You observe an empty or partially empty workspace/display when you log on to the OMEGAMON Enhanced 3270 User Interface.

Symptom: The OMEGAMON enhanced 3270 user interface is installed and configured. The address space is started and users are able to log on, but the interface is displaying an empty workspace/display; for example, indicating No Sysplex Data, No Data, No MSN Found.

For more information about troubleshooting this problem, see Troubleshooting no data conditions on the OMEGAMON Enhanced 3270 User Interface.

OMVS segment errors found in system log on z/OS v2.1 systems

You recently migrated to z/OS v2.1 and find errors similar to these in the system log when you launch the OMEGAMON XE for z/OS monitoring agent:

ICH408I messages indicating OMVS SEGMENT INCOMPLETELY DEFINED
IST1926I SNAMGMT SERVER IS UNABLE TO ACCEPT CONNECTION REQUESTS
IST1927I SOCKET SELECT CALL FAILED - RC = 156 RSN = 0B0C00FA

As of z/OS V2R1, the ability to use default OMVS segments has been removed.

All z/OS UNIX users or groups must now have OMVS segments defined for user and group profiles with unique user IDs (UIDs) and group IDs (GIDs). One solution is to use RACF support to automatically generate unique UIDs and GIDs on demand for users and groups that do not have OMVS segments defined. Support for automatic unique UID and GID generation has been available since z/OS V1R11.

Verify your security definitions for the Communication Server Network Monitoring Interfaces (NMIs) and ensure that these interfaces initialize properly for both TCP/IP and VTAM® when running z/OS 2.1 and later.

To correct the RACF security definitions pertaining to these z/OS Communications Server network management interfaces (NMIs), use the RACF and z/OS Communications Server documentation to update old values for the following NMIs.
• EZBNMIFR
• SNAMGMT
• SYSTCPSM

Self-describing agent error messages

If errors occur during self-description updates, console messages are issued by the agent.

Background

The OMEGAMON XE on z/OS agent issues the following console messages when a self-description update completes successfully. The KRAA0001 message in the OMEGAMON XE on z/OS RKLVLOG output indicates when self-description starts:

KRAA0001, Self-Describing Agent
Installation started for PRODUCT "M5", with TEMS "BVTREM1:CMS", VERSION_INFO
"product_vrmf=05100000; tms_package_vrmf=05100000; tps_package_vrmf=
05100000; tpm_package_vrmf=05100000; "., Producer(SDA_Install)
The KFASD101 message in the Tivoli Enterprise Monitoring Server hub or remote Tivoli Enterprise Monitoring Server RKLVLOG output displays only if there are self-description updates. The messages display only if self-description operations completed successfully:

KFASD101 Self-Describing Install Completed Successfully for PRODUCT <M5>,
VER <05100000>, ID <TMS>, IDVER 05100000

You might see more console messages as follows:

KFASD001 Detected that product <M5> version <05100000> id <TMS> id version <05100000> support files manually installed.

This message occurs when a hub or remote Tivoli Enterprise Monitoring Server finds that manually installed application data is already present.

**Unsuccessful self description updates and suggested actions**

The following conditions and associated console messages indicate that a self-description update did not complete successfully:

**A hub or remote Tivoli Enterprise Monitoring Server finds that a previous attempt to retrieve self-description data from the agent failed when the monitoring server restarted.**

KFASD007 Detected failure STATE <ME>, STATUS <1005>, SEEDSTATE < >, in a prior auto install of PRODUCT <M5> VERSION <05100000> ID <TMS> IDVER 05100000

Action: Use a tacmd command to delete the application data. This command resets the error and enables the self-describing enabled agent to retry.

Agent errors occur because the agent is unable to write to RKANDATV data set because of security authorization problems.

KRAA0003, Self-Describing Agent
Register/Install failed with STATUS (1014/UnKnown Error) for PRODUCT "M5", with TEMS "BVTREM1:CMS", VERSION_INFO "product_vrmf=05100000;tms_package_vrmf=05100000;tps_package_vrmf=05100000;tpw_package_vrmf=05100000;", Producer(SDA_Install)

Action: For more details, review the RKLVLOG output of the hub Tivoli Enterprise Monitoring Server.

**Tivoli Enterprise Monitoring Server errors occur during the propagation of self-description data.**

KRAA0003, Self-Describing Agent
Register/Install failed with STATUS (1011/System Error) for PRODUCT "M5",
with TEMS "BVTREM1:CMS", VERSION_INFO "product_vrmf=05100000;tms_package_vrmf=05100000;tps_package_vrmf=05100000;tpw_package_vrmf=05100000;", Producer(SDA_Install)

Action: For more details, review the RKLVLOG output of the hub Tivoli Enterprise Monitoring Server.

**Tivoli Enterprise Monitoring Server errors occur because an invalid Java path is specified during monitoring server configuration**

KFASD102 Self-Describing Install Failed with STATUS <1011> for PRODUCT <M5>,
VER <05100000>, ID <TMS>, IDVER <05100000>

Action: If you used PARMGEN, Check the Java path that you specified in the UNIX System Services directory: /usr/lpp/RTE_USS_RTEDIR/&rname/kds/support/TEMS/KDS PROF. Also check the &hilev...&rname.RKANDATV(KDS PROF) allocated to the Tivoli Enterprise Monitoring Server where the SDA error is occurring. Be sure that you can locate the Java path by using the directory specification (remember, it is case-sensitive).

Action: If you used the ICAT configuration tool make sure to properly specify the UNIX System Services directory where the JAR command file is located. Typically, this directory is the bin
directory for the installed version of Java, for example, /usr/lpp/java/J6.0/bin. The JAR command is used to uncompress Java archive files (.jar files) during self-description processing.

The following warning messages are expected behavior and can be ignored.

KRAA0016, Ignoring TEMA_SDA Configuration! Agent SDA package not found for PRODUCT "15"., Producer(Self-Describing Agent Status)
KRAA0016, Ignoring TEMA_SDA Configuration! Agent SDA package not found for PRODUCT "OB"., Producer(Self-Describing Agent Status)

Action: None required.
Part 2. Messages

The messages documented in this guide are issued by the OMEGAMON XE on z/OS monitoring agent, including its OMEGAMON II for MVS and OMEGAMON for MVS components, and EPILOG historical data reporter.

These messages use several different formats. Typically, the format is:

```
ccccnnnn
```

where

- `ccc` is the message identifier, consisting of two to four characters.
- `nnnn` is the message number

Some messages also contain a character appended to either the message identifier or the message number indicating the message type (Informational, Warning, Error). Other messages take the form of the product code (KPP) followed by a component identifier, followed by a message number (for example, KM2EXP00) or identifier (for example KM2EXPPFF).

Table 7 lists the identifiers or product codes listed in for the products covered in this guide. The End-to-End Response Time collector (ETE) messages are documented in the *IBM Tivoli OMEGAMON and IBM Tivoli Management Services on z/OS End-to-End Response Time Feature Reference*. Messages for the components of Tivoli Enterprise Monitoring Server are documented in the *IBM Tivoli Monitoring: Troubleshooting Guide*.

Table 7. Identifiers for messages in this guide.

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>CI</td>
<td>common interface (OMNIMON base)</td>
</tr>
<tr>
<td>CNDL</td>
<td>OMEGAMON Subsystem (OMNIMON base)</td>
</tr>
<tr>
<td>CSAA, KCS</td>
<td>Common Storage Area Analyzer</td>
</tr>
<tr>
<td>DX</td>
<td>Degradation Exception Analyzer (DEXAN)</td>
</tr>
<tr>
<td>EA</td>
<td>OMNIMON Base batch reporter</td>
</tr>
<tr>
<td>EB</td>
<td>EPILOG base</td>
</tr>
<tr>
<td>ED, KED</td>
<td>DELTAMON</td>
</tr>
<tr>
<td>EP</td>
<td>EPILOG product</td>
</tr>
<tr>
<td>IA®, KIA</td>
<td>Impact Analysis</td>
</tr>
<tr>
<td>IN</td>
<td>Inspect</td>
</tr>
<tr>
<td>KEB</td>
<td>EPILOG base</td>
</tr>
<tr>
<td>KJI</td>
<td>JES2 interface</td>
</tr>
<tr>
<td>KM2</td>
<td>OMEGAMON II for MVS</td>
</tr>
<tr>
<td>KM3</td>
<td>OMEGAMON XE on z/OS</td>
</tr>
<tr>
<td>KM5</td>
<td>OMEGAMON XE on z/OS</td>
</tr>
<tr>
<td>KMH</td>
<td>OMEGAMON II for MVS EPILOG batch reporter</td>
</tr>
<tr>
<td>KMR</td>
<td>EPILOG batch reporter</td>
</tr>
<tr>
<td>KOE</td>
<td>OMEGAMON XE on z/OS (UNIX System Services)</td>
</tr>
<tr>
<td>KOM</td>
<td>OMEGAMON classic</td>
</tr>
</tbody>
</table>
Table 7. Identifiers for messages in this guide. (continued)

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>KOS</td>
<td>OMEGAMON XE on z/OS</td>
</tr>
<tr>
<td>KPM</td>
<td>EPLOG SAS interface</td>
</tr>
<tr>
<td>KSB</td>
<td>Shared probes</td>
</tr>
<tr>
<td>KXD</td>
<td>OMEGAMON II for MVS</td>
</tr>
<tr>
<td>KXDF</td>
<td>OMEGAMON II for MVS</td>
</tr>
<tr>
<td>OM, OM2, OMV, OM0</td>
<td>Classic OMEGAMON</td>
</tr>
<tr>
<td>VEB</td>
<td>EPLOG interface</td>
</tr>
</tbody>
</table>

This book provides additional information about these messages, including:

- Message text which appears on the same line as the message number
- A description of the system conditions that generated the message
- Suggested responses to the message
Chapter 4. C Messages

CI0410  INVALID COMMAND - ENTER '?' FOR LIST
Explanation: The command you entered is not an interface command.
System action: OMEGAMON ignores the command.
User response: Enter a proper interface command.

CI0411  PARM MEMBER NAME MISSING
Explanation: An EXEC command was issued but the member name was omitted.
System action: OMEGAMON ignores the command.
User response: Re-enter the command, specifying correct member name.

CI0412  ‘ID=’ MISSING - REENTER
Explanation: A STOP command was issued but did not specify an ID, or had the wrong MODIFY ID to stop a subtask.
System action: OMEGAMON ignores the command.
User response: Re-enter the command, specifying the correct ID.

CI0413  TASK ID TO STOP OR MODIFY MISSING - REENTER
Explanation: A STOP command was entered without specifying an ID.
System action: OMEGAMON ignores the command.
User response: Re-enter the command, specifying the correct ID.

CI0414  MISSING TASK TYPE TO START
Explanation: A START command was entered without specifying a task, such as KOBICS or OMVTAM.
System action: OMEGAMON ignores the command.
User response: Re-enter the command, specifying the correct task.

CI0415  EXPECTED TASKID MISSING - REENTER
Explanation: A Common Interface command requiring a task ID was entered without the task ID.
System action: OMEGAMON ignores the command.

CI0416  ‘=’ MISSING - REENTER
Explanation: A parameter that requires a value was entered with the value omitted, for example:
START KOBICS,ROWS,COLS=80,

rather than
START KOBICS,ROWS=24, COLS=80,

System action: OMEGAMON ignores the command.
User response: Re-enter the command with an = and a value after the parameter name.

CI0417  CUU ADDRESS MISSING - REENTER
Explanation: A Common Interface start command with a unit keyword was issued without the required unit address.
System action: OMEGAMON ignores the command.
User response: Re-enter the command with a unit address.

CI0418  VALUE MISSING - OR INVALID
Explanation: A parameter requires a valid value which was not supplied.
System action: OMEGAMON ignores the command.
User response: Re-enter the command, specifying a valid value.

CI0419  USER DATA NAME MISSING - REENTER
Explanation: A Common Interface start command with a user keyword was issued without the required user module suffix.
System action: OMEGAMON ignores the command.
User response: Re-enter the command with a user module suffix.

CI0420  SYSTEM ID MISSING - REENTER
Explanation: A Common Interface start command with a SYS keyword was issued without the required system ID.
System action: OMEGAMON ignores the command.
CI0421 • CI0536

User response: Re-enter the command with a system ID.

CI0421 SYSTEM MODE MISSING - REENTER

Explanation: A Common Interface start command with a MODE keyword was issued without the required ID.

System action: OMEGAMON ignores the command.

User response: Re-enter the command with a system mode.

CI0425 YES OR NO REQUIRED - REENTER

Explanation: YES or NO was not specified in a parameter where it is required.

System action: OMEGAMON ignores the command.

User response: Re-enter the command, specifying YES or NO.

CI0510 ATTACH PROCESSING - TASK ID=cccccccc

Explanation: A Common Interface EXEC or START command has initiated a process to start a new task. The task identifier is cccccccc.

System action: Attach processing continues.

User response: None. This message is informational only.

CI0530 DUPLICATE TASK ID - TASK NOT STARTED

Explanation: This message follows CI0510. It indicates that a task with the identifier named in the CI0510 message is already active. The ID associated with a Common Interface task must be unique.

System action: Attach processing for the new task terminates.

User response: Add the 'ID' keyword to the task's START command, or terminate the executing task and start the new task again.

CI0531 ID=cccccccc PROGRAM=aaaaaaaa

Explanation: The Common Interface also issued message CI0530. This message displays the task ID (cccccccc) and program name (aaaaaaaa) associated with message CI0530.

System action: None.

User response: Use this task ID (cccccccc) to STOP the task.

CI0532 TASK AREA NOT AVAILABLE - TASK NOT STARTED

Explanation: This message follows CI0510. It indicates that memory is not available to build a work area needed by the Common Interface to start a new task.

System action: Attach processing for the new task terminates.

User response: If the problem persists, restart the Common Interface with a larger REGION size, or eliminate any currently executing tasks that are no longer needed.

CI0533 REQUESTED LOAD MODULE NOT FOUND - cccccccc

Explanation: Module cccccccc was not found in a JOB, STEP, or LPA library.

System action: Attach processing terminates.

User response: Place a copy of the appropriate module in a JOB, STEP, or LPA library. An IPL with CLPA is required for LPA library placement to activate the module.

CI0534 ATTACH FAILED FOR TASK cccccccc

Explanation: This message follows CI0510. Attach processing failed for the cccccccc task.

System action: Attach processing for the new task terminates.

User response: Contact IBM Software Support.

CI0535 DUPLICATE ID - TASK NOT STARTED

Explanation: An attempt was made to start a task with an ID identical to that of another task already running under the Common Interface.

System action: The new task does not start.

User response: Re-enter the command with a unique task ID.

CI0536 ID=cccccccc PROGRAM=aaaaaaaa

Explanation: The Common Interface also issued message CI0535. This message displays the task ID (cccccccc) and program name (aaaaaaaa) associated with message CI0535.

System action: The new task does not start.

User response: Re-enter the command with a unique task ID.
CI0537  Common Interface - UNABLE TO OBTAIN TASK AREA

**Explanation:** There is insufficient storage for the Interface to obtain a work area for the starting task.

**System action:** OMEGAMON ignores the Common Interface start command.

**User response:** Check for error messages on the system console that might provide a reason for the failure. Once the source of the storage constraint is corrected, retry the START command. If this problem persists, increase the region size.

CI0542  STOP ID NOT FOUND

**Explanation:** The STOP command specified an ID that is not active.

**System action:** Processing terminates.

**User response:** Use the DISPLAY or LIST command to display the active task IDs.

CI0543  THE FOLLOWING TASK IDS ARE ACTIVE:

**Explanation:** The DISPLAY or LIST command shows which tasks are active.

**System action:** None.

**User response:** None. This is an informational message only.

CI0544  JSCB BUILD FAILED - TASK NOT STARTED

**Explanation:** This message follows CI0510. A JSCB control block needed by the Common Interface to start a new task could not be built.

**System action:** Attach processing for the new task terminates.

**User response:** Check the system console for related error messages and contact IBM Software Support.

CI0545  CSCB BUILD FAILED - TASK NOT STARTED

**Explanation:** This message follows CI0510. A CSCB control block needed by the Common Interface to start a new task could not be built.

**System action:** Attach processing for the new task terminates.

**User response:** Check the system console for related error messages and contact IBM Software Support.

CI0546  GETMAIN FAILED FOR SP230 PARAMETER WORK AREA

**Explanation:** The Common Interface was unable to acquire a parameter work area in subpool 230 that is used by subtasks attached with a system key specification.

**System action:** The subtask creation request is ignored.

**User response:** Contact IBM Software Support.

CI0550  TASK BUSY - MODIFY MESSAGE NOT SENT TO TASK

**Explanation:** A request was made to the Common Interface to issue an MVS modify command to a subtask, but the subtask is not currently accepting modify commands.

**System action:** OMEGAMON ignores the modify request.

**User response:** Retry the command.

CI0551  MODIFY MESSAGE SENT TO TASK

**Explanation:** The Common Interface honored a MODIFY command.

**System action:** The Common Interface issues the modify command to the subtask.

**User response:** None. This is an informational message only.

CI0552  TASK TO MODIFY NOT FOUND

**Explanation:** A request was made to the Common Interface to issue a modify command to a subtask whose ID (specified in the MODIFY command) cannot be found among the currently active subtasks.

**System action:** OMEGAMON ignores the modify request.

**User response:** Use the LIST command to determine which tasks are active to the Common Interface. Correct the task ID and reissue the MODIFY command.

CI0553  DYNAMIC ALLOCATION FOR SNAP FILE FAILED, ERROR=aaaaa, REASON=bbbb, RI5=cccc.

**Explanation:** When the DSNAPON command is presented to the Common Interface, it attempts to dynamically allocate the response time collector SNAP debugging file. Should an error occur during the allocation process, this message displays showing the error codes returned by the supervisor allocation routines. Note that the Common Interface only uses dynamic allocation for the response time collector.
SNAP file in the absence of a DSNAPDD data definition statement.

**System action:** The response time collector SNAP debugging file does not allocate or open.

**User response:** The error, reason, and return codes in this message are described in the IBM MVS Job Management Manual. Correct the source of the error message and retry the allocation. Alternatively, a DSNAPDD data definition statement can be included in the Common Interface JCL stream, thereby avoiding the need to use dynamic allocation.

**CI0560**  RANPAR DATASET OPEN ERROR

**Explanation:** The rhilev.RANPAR dataset could not be opened.

**System action:** EXEC processing terminates.

**User response:** Check that the RANPAR DD statement is in the JCL for this region. Check that the dataset has the proper attributes (see the installation documentation). Contact IBM Software Support for assistance.

**CI0561**  INVALID LRECL OF RANPAR - NOT LRECL=80

**Explanation:** The rhilev.RANPAR dataset does not have an LRECL of 80.

**System action:** EXEC processing terminates.

**User response:** Check and correct the LRECL of the rhilev.TOBDATA dataset.

**CI0562**  MEMBER NOT FOUND IN DATASET

**Explanation:** A member name was specified in the EXEC command, but that member does not exist in the rhilev.RANPAR dataset.

**System action:** EXEC processing terminates.

**User response:** Check the member name entered and re-enter the correct name.

**CI0563**  ERROR OBTAINING A BUFFER FOR READING RANPAR

**Explanation:** The Common Interface was unable to obtain an I/O buffer for reading the rhilev.RANPAR dataset. This is probably the result of a severe storage shortage in the system.

**System action:** EXEC processing terminates.

**User response:** Try the command later when storage use lessens. Increase the region size if this condition persists.

**CI0564**  ERROR OBTAINING AN INPUT AREA FOR RECORD

**Explanation:** The command processor could not obtain an input cell for a record from the rhilev.RANPAR dataset. EXEC processing terminates.

**User response:** Try the command later when core use lessens. Increase the region size if this condition persists.

**CI0565**  EXEC LIMIT EXCEEDED

**Explanation:** You reached the limit of ten EXEC members to be processed per command invocation. This limit prevents a possible loop in the EXEC process where member A EXECs B and member B EXECs A.

**System action:** EXEC processing terminates.

**User response:** Check that the EXEC members do not cause EXEC loops. Reorganize the commands to be executed to fewer than ten members total.

**CI0567**  KEY VALUE OUT OF RANGE, MUST BE 0–7

**Explanation:** The KEY= keyword may only specify keys 0–7. Key 8 is used by V=v problem programs and keys 9–15 are reserved for V=r problem programs.

**System action:** OMEGAMON ignores the request.

**User response:** Specify a valid KEY= keyword value.

**CI0580**  *** NO TASKS ARE ACTIVE ***

**Explanation:** OMEGAMON issues this message in response to a DISPLAY or LIST command when no tasks are active.

**System action:** None.

**User response:** None. This is an informational message only.

**CI0585**  ERROR READING RANPAR MEMBER - SYNAD MESSAGE:

**Explanation:** A system error occurred while processing a member of the rhilev.RANPAR dataset. A SYNAD message follows.

**System action:** Command processing terminates.

**User response:** Check the SYNAD message for cause of the error.

**CI0586**  FREEMAIN FAILED FOR SP230 PARAMETER WORK AREA FOLLOWING ATTACH FAILURE

**Explanation:** The Common Interface was unable to freemain the parameter work area in subpool 230 that is used by subtasks attached with a system key.
specification. This occurred after the subtask attach attempt failed.

System action: None.
User response: Contact IBM Software Support.

CI0587  FAILURE TO FREE CSCB
Explanation: The command scheduling control block used by tasks that run under the Common Interface could not be unallocated.
System action: The CSCB storage, if any, is not freed.
User response: None. This is an informational message only.

CI0588  FAILURE TO FREE JSCB
Explanation: The job step control block acquired by the Common Interface on behalf of one of its subtasks could not be released.
System action: The JSCB storage, if any, is not freed.
User response: None. This is an informational message only.

CI0592  TASK ID=XXXXXXXX HAS BEEN STOPPED VIA POST
Explanation: The Common Interface honored a STOP command.
System action: The Common Interface requests the subtask to stop.
User response: None. This is an informational message only.

CI0593  TASK ID=XXXXXXXX HAS BEEN STOPPED VIA DETACH (STAE=YES)
Explanation: The Common Interface processed a STOP command where the DETACH=Y parameter was specified.
System action: The Common Interface detaches the subtask which may result in an ABEND 33E.
User response: None. This is an informational message only.

CI0594  ID=cccccccc PROGRAM=aaaaaaaa
Explanation: The Common Interface also issued message CI0592. This message displays the task ID (cccccccc) and program name (aaaaaaaa) associated with message CI0592.
System action: None.
User response: None. This is an informational message only.

CI0603  SYMBOL NOT DEFINED: ccccccccc
Explanation: The symbol displayed is not known to the command processor.
System action: Command processing terminates.
User response: Check the input for spelling.

CI0604  AMBIGUOUS SYMBOL: ccccccccc
Explanation: The symbol entered cannot be uniquely identified.
System action: Command processing terminates.
User response: Spell out the command operand more fully.

CI0605  INVALID INPUT VALUE:
Explanation: The input value received is not valid for the symbol.
System action: Command processing terminates.
User response: Check to see if the value is correct or respesify differently, for example, as 43 instead of 0043 in number of ROWS on the terminal screen.

CI0606  EXPECTED CONTINUATION NOT RECEIVED
Explanation: An input statement had a continuation indication but was the last statement input to the command processor.
System action: This command processing terminates.
User response: Add a continuation statement or remove the continuation indicator.

CI0607  EXPECTED INPUT NOT RECEIVED
Explanation: A command is expecting some input options but they were not specified (for example, ROWS=).
System action: Command processing terminates.
User response: Specify the required options.

CI0608  ERROR IN FREE CELL ROUTINE
Explanation: The parser had an error trying to free an input command cell.
System action: Processing terminates.
User response: Contact IBM Software Support for assistance.
CI0609  ERROR IN FREE POOL ROUTINE
Explanation: The parser had an error trying to free the input command pool.
System action: Processing terminates.
User response: Contact IBM Software Support for assistance.

CI0698  ERROR CARD FOLLOWS
Explanation: Issued together with CI0699 and other CI0nnn error messages to show the invalid input.
System action: Command processing terminates.
User response: Refer to the User Response on the accompanying CI0nnn error message.

CI0699  INPUT CARD
Explanation: Issued together with CI0698 and other CI0nnn error messages to show the invalid input.
System action: Command processing terminates.
User response: Refer to the User Response on the accompanying CI0nnn error message.

CI0700  OMEGAMON Common Interface READY FOR COMMANDS
Explanation: The Interface enters a WAIT state to wait for commands to process.
System action: The Interface waits.
User response: The Interface is now ready to accept commands via MODIFY.

CI0715  MODIFY IGNORED
Explanation: The Interface is not in a state where it accepts the MODIFY command.
System action: Command processing terminates.
User response: Reissue the command.

CI0720  PROCESS MESSAGES FOLLOW
Explanation: Informational and error messages generated during command processing follow.
System action: None.
User response: None. This is an informational message only.

CI0722  SUBTASK LOOP IDENTIFICATION AND ANALYSIS IN PROGRESS
Explanation: The Common Interface detected a looping condition in one of its subtasks.

CI0723  LOOPING Common Interface SUBTASK SCHEDULED FOR TERMINATION
Explanation: The Common Interface identified a looping subtask and scheduled it for termination. Message CI0724 accompanies this one.
System action: OMEGAMON forcibly detaches the looping subtask and generates a SNAP dump (ddname: SNAPFILE).
User response: See accompanying message CI0724 for the name and ID of the looping program. Examine the SNAP dump to determine why the subtask was looping. Correct the problem and restart the subtask. If necessary, contact IBM Software Support with the dump information.

CI0724  ID=cccccccc PROGRAM=aaaaaaaa
Explanation: The subtask specified by the task ID (cccccccc) and program name (aaaaaaaa) is scheduled for termination because of a suspected looping condition. This message accompanies CI0723.
System action: Processing continues.
User response: This is an informational message only. See accompanying message CI0723.

CI0725  ZERO POINTER TO CIB FOUND
Explanation: An unexpected condition occurred and an abend may result.
System action: Processing tries to continue.
User response: If an abend occurs, let the Interface retry. Contact IBM Software Support for assistance.

CI0726  SUBTASK LOOP IDENTIFICATION AND ANALYSIS COMPLETED SUCCESSFULLY
Explanation: The Common Interface completed its analysis of subtask CPU utilization. Commands will now be accepted normally.
System action: None.
User response: None. This is an informational message only.
CI0727  SUBTASK LOOP IDENTIFICATION AND ANALYSIS TERMINATED WITHOUT RESOLUTION

Explanation: The Common Interface terminated its analysis of subtask CPU utilization. This occurred because a subtask terminated (normally or abnormally), or the Common Interface was unable to isolate the errant subtask.

System action: None.

User response: None. This is an informational message only.

CI0730  TERMINATION REQUEST ACKNOWLEDGED

Explanation: The Common Interface acknowledges the user’s stop command.

System action: The Common Interface begins termination processing.

User response: None. This is an informational message only.

CI0731  COMMAND PARSE COMPLETED WITH CRITICAL ERRORS

Explanation: The parsing of the command results in a failure of the parser.

System action: OMEGAMON ignores the command.

User response: Contact IBM Software Support for assistance and have a copy of the input available.

CI0732  FREE INPUT CELL CRITICAL ERROR

Explanation: Command processing is complete but the Interface is unable to release the input message cell.

System action: Processing continues.

User response: Contact IBM Software Support for assistance.

CI0734  FREE INPUT POOL CRITICAL ERROR

Explanation: Command processing is complete but the Interface was unable to release the input message pool.

System action: Command processing continues.

User response: Contact IBM Software Support for assistance.

CI0735  KOBCIIPn LOAD ERROR

Explanation: The Common Interface was unable to load the parser and command processing routines. n is an operating system identifier from 1–4.

System action: The Common Interface terminates the command.

User response: Make sure KOBCIIPn is in a load library accessible to the Common Interface.

CI0736  FREE MESSAGE CELL CRITICAL ERROR

Explanation: Command processing is complete but the Interface is unable to release the output message cell.

System action: Command processing continues.

User response: Contact IBM Software Support for assistance.

CI0738  FREE MESSAGE POOL CRITICAL ERROR

Explanation: Command processing is complete but the Interface is unable to release the output message pool.

System action: Command processing continues.

User response: Contact IBM Software Support for assistance.

CI0740  UNABLE TO OBTAIN STORAGE FOR COMMAND

Explanation: Common Interface is unable to obtain the storage required to process a command.

System action: None.

User response: Increase the region available to the Common Interface.

CI0741  PROCESS GET CELL ERROR: CMD IGNORED

Explanation: The Interface is unable to get an input command cell in which to place the command to process.

System action: OMEGAMON ignores the command.

User response: The lack of available virtual storage may cause the error. Reissue the command when storage usage lessens. If the problem persists, increase the region size. Contact IBM Software Support for assistance.

CI0750  MESSAGES PRIOR TO ERROR

Explanation: After an error is detected and retry started, the messages that resulted appear.

System action: None.

User response: Note which processes completed. Contact IBM Software Support for assistance.
<table>
<thead>
<tr>
<th>CI0756</th>
<th>ATTACH FAILED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>An attach of a Common Interface subtask failed.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>None.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Check for messages on the system console, and contact IBM Software Support.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CI0759</th>
<th>TASK-LEVEL LOOP CHECKING IN PROGRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The Common Interface is monitoring individual subtasks for excessive CPU utilization. No commands will be accepted while task-level loop checking is in progress.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>OMEGAMON ignores the request.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Retry the request after task-level loop checking has completed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CI0760</th>
<th>PROCESSING COMMAND</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The processing of the command entered using the MODIFY begins.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Command processing starts.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>None. This is an informational message only.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CI0762</th>
<th>FREE MESSAGE CELL CRITICAL ERROR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>Cleanup routine after an error is unable to free up message cells.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Cleanup continues.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Contact IBM Software Support for assistance.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CI0764</th>
<th>FREE MESSAGE POOL CRITICAL ERROR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>Cleanup routine after an error is unable to free up message pool.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Cleanup continues.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Contact IBM Software Support for assistance.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CI0772</th>
<th>FREE MESSAGE CELL CRITICAL ERROR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The input message cells could not be freed.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Cleanup continues.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Contact IBM Software Support for assistance.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CI0774</th>
<th>FREE MESSAGE POOL CRITICAL ERROR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The input message pool could not be freed.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Cleanup continues.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Contact IBM Software Support for assistance.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CI0777</th>
<th>FAILURE TO FREE CSCB</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>This message indicates either an internal error or storage corruption.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The subtask termination cleanup continues.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Contact IBM Software Support for a problem number and instructions for forwarding the following documentation: a log of the debug screen space sequence and any dumps produced by the Common Interface address space or related TSO address space.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CI0778</th>
<th>FAILURE TO FREE JSCB</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>This message indicates either an internal error or storage corruption.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The subtask termination cleanup continues.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Follow the instructions given in the Preface, then contact IBM Software Support.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CI0789</th>
<th>FREEMAIN FAILED FOR SP230 PARAMETER WORK AREA FOLLOWING SUBTASK TERMINATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The Common Interface was unable to freemain the parameter work area in subpool 230 that is used by subtasks attached with a system key specification. This occurred after the subtask terminated normally or abnormally.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>None.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Contact IBM Software Support.</td>
</tr>
<tr>
<td>CI0798</td>
<td>INVALID RETURN FROM TERMINATION CALL</td>
</tr>
<tr>
<td>--------</td>
<td>-------------------------------------</td>
</tr>
<tr>
<td><strong>Explanation:</strong></td>
<td>Internal error. This message should be accompanied by abend U798.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The Common Interface abnormally terminates.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Follow the instructions given in the Preface, then contact IBM Software Support.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CI0799</th>
<th>UNABLE TO LOCATE RECOVERY HEADER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>Internal error. This message should be accompanied by abend U799.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The Common Interface abnormally terminates.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Follow the instructions given in the Preface, then contact IBM Software Support.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CI0900</th>
<th>Common Interface INITIALIZATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The Common Interface is beginning initialization.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Initialization continues.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>None. This is an informational message only.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CI0901</th>
<th>GLOBAL ADDRESS SPACE VECTOR TABLE BUILD FAILED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The GETMAIN for the LSQA to hold the vector table failed.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The Common Interface terminates.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Contact IBM Software Support.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CI0903</th>
<th>SUBTASK ERROR RECOVERY DETECTED INVALID ISDA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>This error is caused either by an internal error or by the corruption of virtual storage.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The subtask terminates.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Follow the instructions given in the Preface, then contact IBM Software Support.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CI0935</th>
<th>RETRY FROM Interface A ERROR RECOVERY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>Interface D abnormally terminated and control has passed back to Interface A.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>System action is dependent on the response made to message CI0995, which always immediately follows this message.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Respond to message CI0995.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CI0938</th>
<th>ERROR ENCOUNTERED ATTEMPTING TO SERIALIZE NON-SWAPPABILITY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The Common Interface was unable to successfully enqueue upon a step-level resource used to regulate non-swappability.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The Common Interface terminates.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Contact IBM Software Support.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CI0940</th>
<th>MODULE KOBCIIDn NOT FOUND</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The Common Interface could not find module KOBCIIDn. n is an operating system identifier from 1–4.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The Common Interface does not initialize.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Verify that KOBCIIDn is installed in the Common Interface’s JOBLIB/STEPLIB, and restart the Common Interface.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CI0941</th>
<th>LINK FAILED - Interface D</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The link to OBCIID was unsuccessful.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The Common Interface terminates.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Check the JES job log for messages. The most common reason for this failure is that OBCIID is not available from the STEPLIB of the Common Interface.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CI0951</th>
<th>PLACE MODULE cccccc IN A JOB/STEP/LPA LIBRARY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>An error (that was logged in a message preceding this one) is caused by the absence of the indicated module.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>It depends on the error logged in the previous message.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Respond as indicated in the previous message.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CI0952</th>
<th>REPLY GO, STOP (TERMINATES Common Interface OPERATION), OR HELP</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>See System Action and User Response.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Interface retries, or termination of the Common Interface, depending on the response to the message.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>A response of GO retries initiation of the Interface. Precede this response with corrective action to address the cause of the problem, such as placing a new, good copy of a program in a library. STOP terminates the Common Interface. HELP</td>
</tr>
</tbody>
</table>
produces an explanatory message and reissues the WTOR.

CI0960  ENVIRONMENT MISMATCH, SYSTEM MUST BE MVS/SP 1.3 OR HIGHER
Explanation: The Common Interface was started in an operating system that does not support its functions.
System action: The Common Interface does not initialize.
User response: None. This is an informational message only.

CI0961  ENVIRONMENT MISMATCH, 370 VERSION IN XA, OR XA VERSION IN 370
Explanation: The Common Interface was started in an incompatible operating system.
System action: The Common Interface does not initialize.
User response: Verify that the correct version of the Common Interface is installed.

CI0968  Common Interface REQUIRES APF-AUTHORIZATION
Explanation: The Common Interface determined that it did not possess APF authorization.
System action: The Common Interface terminates with a U0968 abend.
User response: Make sure the Common Interface load modules reside in an APF-authorized library.

CI0969  Common Interface MUST EXECUTE AS PRIMARY NON-SYSTEM JOB STEP TASK
Explanation: The Common Interface must run as the primary non-system job step task in the address space. Typically, this requirement is satisfied when the Common Interface is attached by IEESB605 (started task control) when run as a started task, or by IEFIC (initiator Interface control) when run as a batch job. The Common Interface is not designed to run in a TSO environment under the TMP (terminal monitor program).
System action: The Common Interface terminates.
User response: Contact IBM Software Support.

CI0970  OMEGAMON SUBTASK ABEND CODE=cccccccc PSW=aaaaaaaaaaaaaaaa TCB=bbbbbbbb
Explanation: A subtask of the Common Interface abended. This message displays the abend code, the PSW at time of abend, and the address of the abending task's TCB display.
System action: The subtask produces a system termination dump.
User response: Contact IBM Software Support.

CI0971  PROGRAM NAME=cccccccc
Explanation: This message follows CI0970 when a subtask abend occurs, and identifies the program that was given control when the subtask was started.
System action: The subtask abnormally terminates.
User response: Restart the failing subtask.

CI0985  SUBTASK ID=XXXXXXXX FORCIBLY DETACHED
Explanation: A Common Interface module (KOBCIRT0) detected that a subtask of the Common Interface was detached by its mother task while the subtask was still active.
System action: None.
User response: This may or may not be an error. If the subtask's mother task was requested to stop, then no error occurred.

CI0995  Interface A ERROR RECOVERY RETRY - ENTER ‘GO’, ‘STOP’, OR ‘HELP’
Explanation: The Common Interface has abended and requests a response from the operator.
System action: The Interface restarts or the Common Interface terminates, depending on the response to the message.
User response: Follow the instructions given in the Preface, then contact IBM Software Support.

CI0997  INVALID RETURN FROM TERMINATION CALL
Explanation: Internal error. This message should be accompanied by abend U997.
System action: The Common Interface abnormally terminates.
User response: Follow the instructions given in the Preface, then contact IBM Software Support.
CI0998 UNABLE TO LOCATE RECOVERY HEADER

Explanation: Internal error. This message should be accompanied by abend U998.

System action: The Common Interface abnormally terminates.

User response: Follow the instructions given in the Preface, then contact IBM Software Support.

CI0999 LOAD OF OBCIGL FAILED

Explanation: The Common Interface was unable to load the global address space vector table service routine.

System action: The Common Interface terminates.

User response: Make sure OBCIGL is in a load library accessible to the Common Interface.

CNCADBG08 area type CURRENT SIZE(current)
NEW SIZE(new)

Explanation: area type is either CF or STR. An IXCQUERY macro failed because the answer area is too small. The answer area is being reallocated.

System action: An attempt will be made five times to reissue the IXCQUERY macro.

User response: None required.

CNCADBG09 when FLIP FLOP typeADR(new address)
typeLEN(new length),typeADRO(old address),typeLENO(old length)

Explanation: when is either PRE or POST. type is either CF or STR. OMEGAMON is switching (“flip-flopping”) the new and old address and length fields. This is an informational message.

System action: Processing continues.

User response: None required.

CNCADBG10 COMPARE RESULTS D$CFLG(results)

Explanation: results will be either ‘20’ (a STOP command was received) or ‘10’ (the answer area addresses are valid). This is only an informational message.

System action: Processing continues.

User response: None required.

CNDL001I OMEGAMON Subsystem V999” INITIALIZATION - SSID = cccc

Explanation: OMEGAMON subsystem address space initialization processing has begun. The subsystem version number is “999”, and the MVS subsystem identifier is cccc.

System action: OMEGAMON subsystem processing continues.

User response: None. This message is informational only.

CNDL002I CANDLE SUBSYSTEM V999 TERMINATED - SSID = cccc

Explanation: OMEGAMON subsystem address space termination processing has completed. The subsystem version number is “999”, and the MVS subsystem identifier is cccc.

System action: The OMEGAMON subsystem address space terminates.

User response: None. This message is informational only.

CNDL003A CANDLE SUBSYSTEM INITIALIZATION FAILED - REGION TOO SMALL

Explanation: The OMEGAMON subsystem address space could not obtain enough private-area storage to complete initialization.

System action: The OMEGAMON subsystem address space terminates.

User response: Increase the REGION specification included in the address space start-up JCL.

CNDL004A CANDLE SUBSYSTEM REQUIRES APF AUTHORIZATION

Explanation: The OMEGAMON subsystem address space must execute from an APF-authorized library.

System action: The OMEGAMON subsystem address space terminates.

User response: APF-authorize the OMEGAMON subsystem’s load library.

CNDL005A CANDLE SUBSYSTEM RECEIVED CONTROL IN AN AUTHORIZED KEY

Explanation: The OMEGAMON subsystem address space received control in execution key 0–7. The Subsystem must be installed to receive control in a non-authorized key. Only APF-authorization is required.

System action: The OMEGAMON subsystem address space terminates.

User response: Use the correct procedure to install the OMEGAMON subsystem.
CNDL006A CANDLE SUBSYSTEM IS NOT DEFINED - SSID = cccc

Explanation: The OMEGAMON subsystem identifier cccc has not been defined as an MVS subsystem. The identifier must be defined to MVS during Subsystem installation. A system IPL is required before the new definition becomes effective.

System action: The OMEGAMON subsystem address space terminates.

User response: Review the OMEGAMON subsystem installation procedures. Verify that subsystem definition statements have been added to the appropriate IEFSSNcc member in SYS1.PARMLIB.

CNDL010W CONDITIONAL STORAGE REQUEST FAILED - cccccccc

Explanation: The Subsystem has attempted and failed to obtain private-area storage. The name of the requesting routine is cccccccc.

System action: The OMEGAMON subsystem address space remains active.

User response: No immediate action is necessary.

CNDL006A CANDLE SUBSYSTEM IS NOT DEFINED - SSID = cccc

Explanation: The value of the cccccccc keyword is not valid.

System action: The request associated with the keyword is rejected. The nature of the request determines the action taken. For example, if a OMEGAMON subsystem start parameter is found in error, the Subsystem address space terminates. If an operator command keyword is in error, the command is rejected.

User response: Correct the keyword specification.

CNDL007A CANDLE SUBSYSTEM INITIALIZED WITH “RESTART=FORCE”

Explanation: The OMEGAMON subsystem address space start parameter included the keyword RESTART=FORCE. This keyword causes Subsystem initialization to continue even if another OMEGAMON subsystem address space is active. RESTART=FORCE should not be used unless repeated attempts to start the Subsystem result in message CNDL018I and it is known that no other OMEGAMON subsystem address space is active.

System action: The OMEGAMON subsystem address space remains active.

User response: None. This message is informational only.

CNDL009I SSCVT CHAIN ENTRY INVALID - ADDRESS X’xxxxxxxx’

Explanation: The SSCVT chain entry at storage location X’xxxxxxxx’ is not formatted correctly. During initialization, the OMEGAMON subsystem found the invalid entry while looking for its own SSCVT entry. The Subsystem cannot complete initializing without its SSCVT entry.

System action: The OMEGAMON subsystem address space terminates.

User response: Correct the cause of the SSCVT entry formatting error and correct the entry.

CNDL010A CANDLE SUBSYSTEM IS NOT DEFINED - SSID = cccc

Explanation: The OMEGAMON subsystem identifier cccc has not been defined as an MVS subsystem. The identifier must be defined to MVS during Subsystem installation. A system IPL is required before the new definition becomes effective.

System action: The OMEGAMON subsystem address space terminates.

User response: Review the OMEGAMON subsystem installation procedures. Verify that subsystem definition statements have been added to the appropriate IEFSSNcc member in SYS1.PARMLIB.

CNDL011W CONDITIONAL STORAGE REQUEST FAILED - cccccccc

Explanation: The Subsystem has attempted and failed to obtain private-area storage. The name of the requesting routine is cccccccc.

System action: The OMEGAMON subsystem address space remains active.

User response: No immediate action is necessary.
However, other messages requiring specific action may appear as a result of the failed storage request. If this message appears frequently, it may be necessary to increase the value of the REGION parameter for the Subsystem address space.

**CNDL020A**  *START PARAMETER STRING SYNTAX ERROR*

_**Explanation:**_ The syntax of the parameter string passed to the Subsystem during initialization is in error.

_**System action:**_ The OMEGAMON subsystem address space terminates.

_**User response:**_ Correct the parameter string error and restart the Subsystem address space.

**CNDL021I**  *RKANPAR FILE OPEN ERROR - RC = X'xxxxxxxx'*

_**Explanation:**_ The RKANPAR file failed to open. The error code returned by IBM OPEN processing was X'xxxxxxxx'.

_**System action:**_ The OMEGAMON subsystem address space remains active. Depending on the severity of the error, additional Subsystem messages may appear.

_**User response:**_ Check the console for any additional Subsystem or IBM-component messages. If the error’s cause cannot be determined, contact IBM Software Support.

**CNDL021I**  *RKANPAR FILE FAILED TO OPEN*

_**Explanation:**_ The RKANPAR file failed to open. There was no error code returned by IBM OPEN processing.

_**System action:**_ The OMEGAMON subsystem address space remains active. Depending on the severity of the error, additional Subsystem messages may appear.

_**User response:**_ Check the console for any additional Subsystem or IBM-component messages. If the cause of the error cannot be determined, contact IBM Software Support.

**CNDL024I**  *cccccccc MEMBER  nnnnnnnnn NOT FOUND*

_**Explanation:**_ The  nnnnnnnnn PDS member could not be found. The ddname associated with the PDS is cccccc.

_**System action:**_ The OMEGAMON subsystem address space remains active.

_**User response:**_ Verify that the PDS member name was specified correctly and retry the Subsystem request.

**CNDL027I**  *FUNCTION  cccccc STARTED*

_**Explanation:**_ Function  cccccc has been started by the Subsystem. The function is now available for use by other IBM Tivoli products.

_**System action:**_ The OMEGAMON subsystem address space remains active.

_**User response:**_ None. This message is informational only.

**CNDL030I**  *FUNCTION  cccccc STOPPED*

_**Explanation:**_ Function  cccccc has been stopped by a user request. The function is no longer available for use by other IBM Tivoli products.

_**System action:**_ The OMEGAMON subsystem address space remains active.

_**User response:**_ None. This message is informational only.

**CNDL032I**  *FUNCTION  cccccc STOPPED BY THE SUBSYSTEM*

_**Explanation:**_ Function  cccccc has been stopped by the Subsystem. The function is no longer available for use by other IBM Tivoli products. The Subsystem has stopped the function as a result of an error or Subsystem address space termination.

_**System action:**_ The OMEGAMON subsystem address space remains active.

_**User response:**_ None. This message is informational only.

**CNDL034I**  *SUBSYSTEM START MEMBER  cccccc*

_**Explanation:**_ RKANPAR member  cccccc was used as the Subsystem initialization member during Subsystem start-up.

_**System action:**_ The OMEGAMON subsystem address space remains active.

_**User response:**_ None. This message is informational only.

**CNDL100I**  *I/O SERVICES NOT AVAILABLE*

_**Explanation:**_ An error has occurred causing the termination of the dynamic I/O configuration subsystem. This message should be accompanied by another message explaining the error.

_**System action:**_ The routine terminates.

_**User response:**_ Follow the response for the accompanying message. Contact IBM Software Support if necessary.
<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>CNDL101A</td>
<td>UNABLE TO OBTAIN PRIVATE STORAGE, DYNAMIC I/O SERVICES NOT AVAILABLE</td>
<td>The dynamic I/O configuration monitor initialization routine was unable to obtain private area storage for its work area.</td>
<td>The routine terminates without initializing dynamic I/O monitoring.</td>
<td>Contact IBM Software Support.</td>
</tr>
<tr>
<td>CNDL102A</td>
<td>DSPSERV RC = X'xx' REASON CODE = yyyyyyyyy</td>
<td>The dynamic I/O configuration monitor initialization routine was unable to create a SCOPE=COMMON dataspace for its use. The return code from the DSPSERV macro invocation was X'xx', the reason code was yyyyyyyyy.</td>
<td>The routine terminates without initializing dynamic I/O monitoring.</td>
<td>Check the return codes for the DSPSERV macro create function to determine if the failure was due to an installation option. If not, contact IBM Software Support.</td>
</tr>
<tr>
<td>CNDL103A</td>
<td>ALESERV RC = X'xx'</td>
<td>The dynamic I/O configuration monitor initialization routine was unable to add an entry for a SCOPE=COMMON data space to all PASN-ALs in the system. The return code from the ALESERV macro invocation was X'xx'.</td>
<td>The routine terminates without initializing dynamic I/O monitoring.</td>
<td>Check the return codes for the ALESERV macro add function to determine if the failure was due to an installation option. If not, contact IBM Software Support.</td>
</tr>
<tr>
<td>CNDL104I</td>
<td>SVC DUMP TAKEN FOR DYNAMIC I/O CONFIGURATION SUBSYSTEM</td>
<td>An abend has occurred and an SVC dump has been successfully produced.</td>
<td>The routine attempts to recover from the abend. If more than one abend has occurred, then the routine will terminate.</td>
<td>Retain the dump. Contact IBM Software Support.</td>
</tr>
<tr>
<td>CNDL105I</td>
<td>DYNAMIC I/O CONFIGURATION UNABLE TO OBTAIN CSA STORAGE</td>
<td>An attempt to obtain CSA failed.</td>
<td>The dynamic I/O configuration monitor will function without I/O configuration change exits.</td>
<td>Contact IBM Software Support.</td>
</tr>
<tr>
<td>CNDL106W</td>
<td>UNABLE TO INSTALL I/O RECONFIGURATION COMPLETION EXIT, RC=X'xx'</td>
<td>An attempt to install an I/O reconfiguration completion exit failed with return code X'xx'.</td>
<td>The dynamic I/O configuration monitor will function without the I/O configuration completion exit.</td>
<td>Contact IBM Software Support.</td>
</tr>
<tr>
<td>CNDL107W</td>
<td>UNABLE TO INSTALL I/O RECONFIGURATION REQUEST EXIT, RC=X'xx'</td>
<td>An attempt to install an I/O reconfiguration request exit failed with return code X'xx'.</td>
<td>The dynamic I/O configuration monitor will function without the I/O configuration request exit.</td>
<td>Contact IBM Software Support.</td>
</tr>
<tr>
<td>CNDL108A</td>
<td>UNABLE TO BUILD UCB TABLE, RC = X'xx'</td>
<td>An attempt to build a table of UCB addresses failed with return code X'xx'.</td>
<td>The dynamic I/O configuration monitor will terminate.</td>
<td>Contact IBM Software Support.</td>
</tr>
<tr>
<td>CNDL109A</td>
<td>UCBSCAN RETURN CODE = X'xx'</td>
<td>An invocation of the UCBSCAN macro service failed with return code X'xx'.</td>
<td>The dynamic I/O configuration monitor will terminate.</td>
<td>Contact IBM Software Support.</td>
</tr>
<tr>
<td>Message Number</td>
<td>Message Description</td>
<td>Explanation</td>
<td>System action</td>
<td>User response</td>
</tr>
<tr>
<td>----------------</td>
<td>---------------------</td>
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<td>---------------</td>
<td>---------------</td>
</tr>
<tr>
<td>CNDL110A</td>
<td>UCB TABLE REBUILD FAILED WITH RC = X'xx'</td>
<td>An attempt to rebuild the UCB address table failed with return code X'xx'.</td>
<td>The dynamic I/O configuration monitor will terminate.</td>
<td>Contact IBM Software Support.</td>
</tr>
<tr>
<td>CNDL112I</td>
<td>OPERATING SYSTEM DOES NOT SUPPORT SCOPE=COMMON DATA SPACES</td>
<td>The z/OS system on which this program is running does not support Common Data Spaces.</td>
<td>Processing continues.</td>
<td>None required.</td>
</tr>
<tr>
<td>CNDL150A</td>
<td>UNABLE TO OBTAIN STORAGE, DYNAMIC I/O RECONFIGURATION EXIT INOPERATIVE</td>
<td>An I/O reconfiguration exit attempted to obtain private storage and failed.</td>
<td>The dynamic I/O configuration exit terminates.</td>
<td>Contact IBM Software Support.</td>
</tr>
<tr>
<td>CNDL151A</td>
<td>INVALID ALET, UNABLE TO ACCESS DATA SPACE, DYNAMIC I/O RECONFIGURATION EXIT INOPERATIVE</td>
<td>The ALET for the SCOPE=COMMON data space has been found to be invalid.</td>
<td>The dynamic I/O configuration exit terminates.</td>
<td>Contact IBM Software Support.</td>
</tr>
<tr>
<td>CNDL152A</td>
<td>INVALID DATA SPACE, DYNAMIC I/O RECONFIGURATION EXIT INOPERATIVE</td>
<td>The ALET for the SCOPE=COMMON data space has accessed a data space that cannot be validated.</td>
<td>The dynamic I/O configuration exit terminates.</td>
<td>Contact IBM Software Support.</td>
</tr>
<tr>
<td>CNDL153A</td>
<td>UNEXPECTED FUNCTION ENCOUNTERED BY I/O REQUEST EXIT</td>
<td>The dynamic I/O configuration request exit has encountered an unknown function code.</td>
<td>The dynamic I/O configuration exit terminates.</td>
<td>Contact IBM Software Support.</td>
</tr>
<tr>
<td>CNDL154A</td>
<td>I/O aaaaaaaa EXIT UNABLE TO ACCESS DATA SPACE IN RECOVERY ROUTINE.</td>
<td>An abend has caused entry to the recovery routine, and the data space cannot be accessed to notify potential users that the exit has abended. aaaaaaaa identifies the exit as either request or completion.</td>
<td>The dynamic I/O configuration exit terminates.</td>
<td>Contact IBM Software Support.</td>
</tr>
<tr>
<td>CNDL155A</td>
<td>I/O aaaaaaaa EXIT ALET INVALID</td>
<td>An abend has caused entry to the recovery routine and the data space cannot be accessed to notify potential users that the exit has abended due to an invalid ALET. aaaaaaaa identifies the exit as either request or completion.</td>
<td>The dynamic I/O configuration exit terminates.</td>
<td>Contact IBM Software Support.</td>
</tr>
<tr>
<td>CNDL156A</td>
<td>I/O aaaaaaaa EXIT UNABLE TO ACCESS WORK AREA IN RECOVERY ROUTINE</td>
<td>An abend has caused entry to the recovery routine and the exit work area cannot be accessed. aaaaaaaa identifies the exit as either request or completion.</td>
<td>The dynamic I/O configuration exit terminates.</td>
<td>Contact IBM Software Support.</td>
</tr>
<tr>
<td>CNDL157I</td>
<td>SVC DUMP TAKEN FOR I/O aaaaaaaa ROUTINE</td>
<td>An abend has caused entry to the recovery routine and an SVC dump was produced. aaaaaaaa identifies the exit as either request or completion.</td>
<td>The dynamic I/O configuration exit terminates.</td>
<td>Contact IBM Software Support.</td>
</tr>
</tbody>
</table>
User response: Retain the SVC dump. Contact IBM Software Support.

Explanation: OMEGAMON subsystem initialization routine KCNDLINT cannot obtain working storage.

System action: The routine terminates without performing any functions.

User response: Contact IBM Software Support.

User response: If the return information does not indicate an installation addressable problem, contact IBM Software Support.

Explanation: The OMEGAMON subsystem initialization routine KCNDLINT found a syntax error in the parameter string passed to it using the IEFSSNcc member of SYS1.PARMLIB. aaaa is the name of the subsystem.

System action: The routine terminates without starting the subsystem address space.

User response: Correct the parameter string in the appropriate IEFSSNcc member of SYS1.PARMLIB.

User response: If you cannot address the problem indicated by the return code, contact IBM Software Support.

Explanation: The OMEGAMON subsystem initialization routine KCNDLINT failed to obtain ECSA storage for subsystem aaaa.

aaa  name of the subsystem

X'xx'  return code from the STORAGE macro

System action: The routine terminates without obtaining or formatting the control block anchor for the OMEGAMON subsystem.

User response: Correct the parameter string in the appropriate IEFSSNcc member of SYS1.PARMLIB.

User response: Retain the dump and contact IBM Software Support.

Explanation: The OMEGAMON subsystem initialization routine KCNDLINT has determined that the value coded for keyword SSPROC in the IEFSSNcc member of SYS1.PARMLIB is invalid. aaaa is the name of the subsystem.

System action: The routine terminates without attempting to start the OMEGAMON subsystem address space.

User response: If you cannot address the problem indicated by the return code, contact IBM Software Support.

Explanation: The OMEGAMON subsystem initialization routine KCNDLINT found a keyword parameter to have been entered more than once in the input parameters obtained from the IEFSSNcc member of SYS1.PARMLIB.

aaa  name of the subsystem.

bbbbbbbb  keyword parameter occurring multiple times.

System action: The routine terminates without starting the subsystem address space.

User response: Correct the parameter string in the appropriate IEFSSNcc member of SYS1.PARMLIB.

Explanation: The OMEGAMON subsystem initialization routine KCNDLINT abended and an SVC dump was produced to gather diagnostic information. aaaa is the name of the subsystem.

System action: The routine terminates.

User response: Retain the dump and contact IBM Software Support.

Explanation: The OMEGAMON subsystem initialization routine KCNDLINT has determined that the value coded for keyword SSPROC in the IEFSSNcc member of SYS1.PARMLIB is invalid. aaaa is the name of the subsystem.

System action: The routine terminates without attempting to start the OMEGAMON subsystem address space.
User response: Start the subsystem address space manually, or correct the appropriate member of SYS1.PARMLIB and re-IPL.

Explanation: OMEGAMON subsystem initialization routine KCNDLINT has determined that the value coded for keyword RKANPAR in the IEFSSNcc member of SYS1.PARMLIB is not 2 bytes long. aaaa is the name of the subsystem.

System action: The routine terminates without attempting to start the OMEGAMON subsystem address space.

User response: Start the subsystem address space manually, or correct the appropriate member of SYS1.PARMLIB and re-IPL.

Explanation: The initialization routine specified in the IEFSSNcc member of SYS1.PARMLIB for subsystem aaaa has completed successfully. aaaa is the name of the subsystem.

System action: The routine has successfully completed without error.

User response: None. This message is informational only.

Explanation: The initialization routine specified in the IEFSSNcc member of SYS1.PARMLIB for subsystem aaaa has successfully recovered from an abend. aaaa is the name of the subsystem.

System action: The initialization routine terminates cleanly and returns control to the system.

User response: None. This message is informational only. However, there should be other messages which will require action.

Explanation: While attempting to change the OMEGAMON subsystem address space from a “system address space” to a “normal started task”, OMEGAMON found that the pointer to the CSCB from its Address Space Control Block (ASCB) was zero.

System action: Processing continues under the system address space.

User response: None required.
**CNDL191I • CSAA055I**

**User response:** None required.

---

**CNDL191I**  **SUBSYSTEM ADDRESS SPACE INITIALIZATION ROUTINE RECOVERY SUCCESSFUL**

**Explanation:** While attempting to change the OMEGAMON subsystem address space from a “system address space” to a “normal started task”, OMEGAMON encountered a problem and its recovery routine was driven. Recovery was successful.

**System action:** Processing continues under the system address space.

**User response:** None required.

---

**CNDL192W**  **SUBSYSTEM ADDRESS SPACE INITIALIZATION ROUTINE SVC DUMP TAKEN**

**Explanation:** While attempting to change the OMEGAMON subsystem address space from a “system address space” to a “normal started task”, OMEGAMON encountered a problem and its recovery routine was driven. A user dump was taken.

**System action:** Processing continues under the system address space.

**User response:** None required.

---

**CS075**  **UNABLE TO ESTABLISH VIRTUAL SESSION FOR sid. MAKE SURE THE SPECIFIED APPLICATION IS AVAILABLE AND A VALID LOGMODE IS BEING USED.**

**Explanation:** An attempt was made to establish a session using the identified session ID, but the attempt failed.

**System action:** None.

**User response:** Follow the message instructions.

---

**CSAA000I**  **CSAA SUBSYSTEM INITIALIZATION IN PROGRESS**

**Explanation:** The CSA Analyzer (CSAA) subsystem initialization started.

**System action:** Initialization processing continues.

**User response:** None.

---

**CSAA001I**  **CSAA SUBSYSTEM INITIALIZATION COMPLETED SUCCESSFULLY**

**Explanation:** The CSAA subsystem initialization processing completed successfully.

**System action:** The CSAA subsystem is ready to capture and report common storage usage.

**User response:** None required.

---

**CSAA010E**  **UNABLE TO OBTAIN ECSA FOR RESOURCE MANAGER**

**Explanation:** ECSA storage for the Resource Manager could not be obtained.

**System action:** The Resource Manager is not initiated.

**User response:** Determine why storage is not available.

---

**CSAA020E**  **UNABLE TO INSTALL RESOURCE MANAGER**

**Explanation:** The RESMGR macro returned a non-zero return code.

**System action:** The Resource Manager is not initiated.

**User response:** Contact IBM Support.

---

**CSAA030E**  **RESOURCE MANAGER PROBLEM REMOVING HOOKS**

**Explanation:** While cleaning up, the OMEGAMON Resource Manager removes hooks for monitoring CSA and SQA GETMAIN and FREEMAIN calls. One or more of the hooks could not be removed.

**System action:** Processing continues.

**User response:** None required.

---

**CSAA040E**  **RESOURCE MANAGER NOT PASSED A VALID CSAAVT**

**Explanation:** While cleaning up, the OMEGAMON Resource Manager discovered that an invalid address for the CSAAVT was passed internally.

**System action:** Processing continues.

**User response:** Contact Product Support.

---

**CSAA050I**  **RESOURCE MANAGER CLEANUP IN PROGRESS**

**Explanation:** OMEGAMON is installing a dynamic Resource Manager to clean up when the CSAA address space is forced or killed.

**System action:** Processing continues.

**User response:** None required.

---

**CSAA055I**  **RESOURCE MANAGER COMPLETED**

**Explanation:** OMEGAMON installed a dynamic Resource Manager to clean up when the CSAA address space is forced or killed.

**System action:** Processing has been completed.

**User response:** None required.
CSAA100E  CSAA SUBSYSTEM ALREADY RUNNING
Explanation: The CSAA subsystem was already running when this CSAA subsystem address space tried to initialize. Only one CSAA subsystem address space can be active at a time.
System action: The second CSAA subsystem address space terminates.
User response: Stop the CSAA subsystem before starting another CSAA subsystem.

CSAA200E  PREMATURE END OF INPUT PARAMETERS
Explanation: The input parameters for the CSAA subsystem ended before expected.
System action: The CSAA subsystem terminates.
User response: Check the input parameters for proper syntax.

CSAA210E  INPUT PARAMETER SYNTAX ERROR AT POSITION xx
Explanation: CSAA detected an error at the specified position of the input parameter.
System action: The CSAA subsystem terminates.
User response: Check the input parameters for proper syntax.

CSAA220E  UNABLE TO LOAD CSAA MODULE cccccc, ABEND=xxxx RC=yyyy
Explanation: The CSA Analyzer™ could not load the specified CSAA module cccccc into virtual storage.
System action: The CSAA subsystem terminates.
User response: Ensure that the CSA Analyzer can access the KSCOMM load module through LPALST, LINKLST, JOBLIB or STEPLIB concatenation.

CSAA230E  UNABLE TO ATTACH CONSOLE COMMUNICATION TASK
Explanation: The CSA Analyzer could not attach the console communication subtask.
System action: The CSAA subsystem terminates.
User response: Ensure that the CSA Analyzer can access the KCSSTRN load module through LPALST, LINKLST, JOBLIB or STEPLIB concatenation.

CSAA240E  UNABLE TO ATTACH SYSTEM TREND TASK
Explanation: The CSA Analyzer could not attach the system trend subtask.
System action: The CSAA subsystem terminates.
User response: Ensure that the CSA Analyzer can access the KCSSTRN load module through LPALST, LINKLST, JOBLIB or STEPLIB concatenation.

CSAA250E  UNABLE TO START ORPHAN PROCESSING TIMER
Explanation: The orphan processing routine timer could not be started.
System action: The CSAA subsystem terminates.
User response: Call IBM Software Support.

CSAA251E  ORPHAN PROCESSING ERROR
Explanation: Orphan processing routine encountered an error.
System action: The CSAA subsystem terminates.
User response: Call IBM Software Support.

CSAA252E  UPDATE PROCESSING ERROR; CSAA SUBSYSTEM SUSPENDED
Explanation: The CSA Analyzer has experienced an error while processing.
System action: The CSAA subsystem is suspended from collecting new data and a system dump is produced.
User response: Save the system dump and SYSLOG and contact IBM Software Support for assistance.

User response: Ensure that the CSA Analyzer can access the KCSCOMM load module through LPALST, LINKLST, JOBLIB or STEPLIB concatenation.
CSAA399E • CSAA810E

CSAA399E  UNABLE TO LOCATE AND/OR LOAD ALL MODULES

Explanation: During CSAA initialization, the CSA Analyzer could not locate or load one or more CSAA load modules into virtual storage.

System action: The CSAA subsystem terminates.

User response: Ensure that the CS Analyzer can access the CSAA load modules through LPALST, LINKLST, JOBLIB or STEPLIB concatenation.

CSAA700E  SSCVT CHAIN IS INVALID, UNABLE TO ADD CSAA SSCVT

Explanation: The CSA Analyzer encountered an error while trying to add the CSAA SSCVT dynamically to the SSCVT chain.

System action: The CSAA subsystem terminates.

User response: Define the CSAA subsystem in the SYS1.PARMLIB(IEFSSNxx) and IPL the system.

CSAA710E  UNABLE TO ESTABLISH ERROR RECOVERY ENVIRONMENT

Explanation: The CSA Analyzer could not establish the CSAA subsystem error recovery environment.

System action: The CSAA subsystem terminates.

User response: Call IBM Software Support.

CSAA720E  UNABLE TO INSTALL THE EXTRACTOR

Explanation: The CSA Analyzer could not install its extraction routine.

System action: The CSAA subsystem terminates.

User response: Call IBM Software Support.

CSAA730E  CSAA EXTRACTOR IN ERROR, EXTRACTOR REMOVED

Explanation: The CSAA data extraction routine encountered an error. The CSA Analyzer removes the extraction routine from the system.

System action: The CSAA subsystem terminates.

User response: Call IBM Software Support.

CSAA740E  UNABLE TO LOCATE THE DATA BUFFER

Explanation: The CSA Analyzer could not locate the CSAA extraction routine’s data buffer.

System action: The CSAA subsystem terminates.

User response: Call IBM Software Support.

CSAA800E  UNABLE TO OBTAIN FIXED ECSA STORAGE FOR SSCVT

Explanation: The CSA Analyzer could not obtain storage for the CSAA SSCVT from extended CSA.

System action: The CSAA subsystem terminates.

User response: Check if all of extended CSA is in use. If not call IBM Software Support.

CSAA801E  UNABLE TO OBTAIN FIXED ECSA STORAGE FOR CSAVT

Explanation: The CSA Analyzer could not obtain storage for the CSAA vector table from extended CSA.

System action: The CSAA subsystem terminates.

User response: Check if all of extended CSA is in use. If not call IBM Software Support.

CSAA802E  UNABLE TO OBTAIN FIXED ECSA STORAGE FOR CACHE BUFFER

Explanation: The CSA Analyzer could not obtain storage for the cache buffer from extended CSA.

System action: The CSAA subsystem terminates.

User response: Check if all of extended CSA is in use. If not call IBM Software Support.

CSAA804E  UNABLE TO OBTAIN FIXED ECSA STORAGE FOR DATA BUFFER

Explanation: The CSA Analyzer could not obtain storage for the data buffer from extended CSA.

System action: The CSAA subsystem terminates.

User response: Check if all of extended CSA is in use. If not call IBM Software Support.

CSAA805E  UNABLE TO OBTAIN ESQA STORAGE FOR SRB

Explanation: The CSA Analyzer was unable to obtain storage for an SRB.

System action: The CSAA subsystem terminates.

User response: Call IBM Software Support.

CSAA810E  UNABLE TO OBTAIN PAGABLE ECSA STORAGE

Explanation: The CSA Analyzer could not obtain storage for the CSAA data areas from extended CSA.

System action: The CSAA subsystem terminates.

User response: Check if all of extended CSA is in use. If not call IBM Software Support.
CSAA811E  UNABLE TO OBTAIN DATA ELEMENT STORAGE IN PAGABLE ECSA
Explanation: The CSA Analyzer could not obtain storage for the data elements from extended CSA.
System action: The CSAA subsystem terminates.
User response: Increase the value for the PAGE= parameter. If the problem persists, call IBM Software Support.

CSAA820E  UNABLE TO OBTAIN EXTENDED PRIVATE STORAGE
Explanation: The CSA Analyzer could not obtain extended private storage.
System action: The CSAA subsystem terminates.
User response: Increase the region size for the CSAA address space. If the problem persists, call IBM Software Support.

CSAA850I  MONITORING ACTIVE FOR aaa/aaaa
Explanation: The CSA Analyzer found that the MVS Common Storage Tracking function has been enabled and monitoring is now active for the indicated Common Storage Areas. The possible values for aaa/aaaa are:
- CSA/ECSA - Common Service Area and Extended Common Service Area
- SQA/ESQA - System Queue Area and Extended System Queue Area
System action: The CSAA subsystem is available to report on common storage usage.
User response: None.

CSAA851I  MONITORING INACTIVE FOR aaa/aaaa
Explanation: The CSA Analyzer found that the MVS Common Storage Tracking function has been disabled for the indicated Common Storage Areas. The possible values for aaa/aaaa are:
- CSA/ECSA - Common Service Area and Extended Common Service Area
- SQA/ESQA - System Queue Area and Extended System Queue Area
System action: The indicated common storage area will not be reported on.
User response: Enable the MVS Common Storage Tracking function. See the MVS/ESA Initialization and Tuning Reference for further information on enabling the VSM Storage Tracking function.

CSAA852I  PROGRAM - pppppppp VERSION - vvvvvvvv MAINTENANCE - mmmmmmm
Explanation: The CSAA program pppppppp is at version vvvvvvvv. The current maintenance level is mmmmmmm.
System action: This diagnostic message may be issued with other CSAA messages.
User response: See other CSAA messages for further information. This diagnostic message may provide useful information in determining current maintenance level.

CSAA860E  MVS COMMON STORAGE TRACKING LEVEL NOT SUPPORTED
Explanation: The CSA Analyzer found that the MVS Common Storage Tracking function is at LEVEL nnnn, a level that is not supported due to maintenance or release level. All common storage usage information is unavailable.
System action: The CSAA subsystem address space terminates.
User response: Contact IBM Software Support.

CSAA861E  FAILURE DETECTED IN MVS COMMON STORAGE TRACKING
Explanation: The CSA Analyzer found that the MVS Common Storage Tracking function has been disabled due to internal problems with the IBM virtual storage management component. All common storage usage information is unavailable.
System action: The CSAA subsystem address space terminates.
User response: Contact your system programmer. If an SVC dump was produced by the CSAA address space, this may provide additional diagnostics for IBM support personnel.

CSAA890E  USE THE STOP COMMAND TO TERMINATE THE CSAA SUBSYSTEM
Explanation: The CSA Analyzer has experienced an error, described by a previous message. The MVS STOP command should be issued to stop the CSAA address space.
System action: The CSAA subsystem is suspended from collecting new data.
User response: Examine the CSAA message which appears before this message in the SYSLOG; it will describe the reason the CSAA has been suspended. OMEGAMON commands may be used before the
CSAA899E - CSAA999I

CSAA is stopped to examine the current CSAA data. The MVS STOP command should then be issued to stop the CSAA address space. The MVS START command can then be issued to restart the CSAA address space.

CSAA899E - CSAA SUBSYSTEM TERMINATED DUE TO INSUFFICIENT STORAGE

Explanation: The CSA Analyzer could not obtain the storage required by the CSAA subsystem. The accompanying CSAA8xxE message identifies the type of storage that could not be obtained.

System action: The CSAA subsystem terminated.

User response: Follow the directions in the accompanying CSAA8xxE messages.

CSAA900E - CSAA SUBSYSTEM VERSION DOES NOT MATCH KCSEXTR VERSION

Explanation: The CSAA subsystem version does not match the initialization routine version.

System action: The CSAA subsystem terminates.

User response: Ensure that all CSAA load modules are of the same version. Check the LPALST and LINKLST concatenation for duplicate modules. If the problem cannot be resolved, call IBM Software Support.

CSAA901E - CSAA SUBSYSTEM VERSION DOES NOT MATCH KCSEXTR VERSION

Explanation: The CSAA subsystem version does not match the extraction routine version.

System action: The CSAA subsystem terminates.

User response: Ensure that all CSAA load modules are of the same version. Check the LPALST and LINKLST concatenation for duplicate modules. If the problem cannot be resolved, call IBM Software Support.

CSAA902E - CSAA SUBSYSTEM VERSION DOES NOT MATCH KCSMGR VERSION

Explanation: The CSAA subsystem version does not match the CSAA manager version.

System action: The CSAA subsystem terminates.

User response: Ensure that all CSAA load modules are of the same version. Check the LPALST and LINKLST concatenation for duplicate modules. If the problem cannot be resolved, call IBM Software Support.

CSAA910W - CSAA via WILL EXPIRE ON mm/dd/yy

Explanation: This message indicates the expiration date of the CSAA product. It displays each time you start the CSAA subsystem, 30 days prior to the actual expiration date.

System action: Processing continues.

User response: Call IBM Software Support.

CSAA911E - CSAA vvvv HAS EXPIRED, CALL IBM CORPORATION

Explanation: The specified version of the CSAA expired.

System action: The CSAA subsystem is terminated.

User response: Call IBM Corporation to order the latest version of the CSA Analyzer.

CSAA990E - CSAA SUBSYSTEM INITIALIZATION FAILED

Explanation: A failure was encountered while issuing the LOAD macro. See message CSAA852I for the module name.

System action: Processing continues.

User response: Verify the procedure STEPLIB datasets. Contact IBM support.

CSAA997E - CSAA SUBSYSTEM ABNORMAL TERMINATION

Explanation: The CSAA subsystem encountered an error and terminates abnormally.

System action: The CSAA subsystem terminates.

User response: Call IBM Software Support.

CSAA998I - CSAA STOP COMMAND ACCEPTED

Explanation: The CSAA subsystem accepted the stop command.

System action: The CSAA subsystem terminates.

User response: None.

CSAA999I - CSAA SUBSYSTEM TERMINATION IN PROGRESS

Explanation: The CSAA subsystem is terminating.

System action: The CSAA subsystem terminates.

User response: None.
Chapter 5. D messages

DX0000  Vvv running. Cycles= ccc STIM= ii
Elap= ss SEC (or mm:ss MN)

Explanation:  You have issued BEGN to start the DEXAN collector (version vvv). STIM (sample time) shows the sample interval (i.i) in seconds and tenths. Cycles (ccc) shows how long (in STIM intervals) the collector has been running. Elap shows the total elapsed collection time in seconds (ss) or minutes and seconds (mm:ss).

System action:  None.

User response:  None.

DX0001  Collector has not been started

Explanation:  You have issued the DEX command, but have not started the DEXAN data collector.

System action:  None.

User response:  None.

DX0002  Collector being suspended

Explanation:  You have suspended data collection without losing any data that DEXAN has already collected.

System action:  None.

User response:  None.

DX0003  Collector being resumed

Explanation:  You have resumed data collection after suspending it.

System action:  None.

User response:  None.

DX0004  Collector suspended since hh:mm:ss
Cycles= mmm Elap= mm:ss MN

Explanation:  You suspended data collection by issuing the SUSP command. If you want to resume data collection, issue the RESM command. Cycles (mmm) shows how long (in sample intervals) the collector has been running. Elap shows the total elapsed collection time in minutes and seconds.

System action:  None.

User response:  None.

DX1000  The data collector started Workarea sizes= mmmm bytes. (Also displays, for MVS SP4 or later, either) Collector monitoring devices defined as dynamic (or) Collector not monitoring latest I/O configuration

Explanation:  You have started data collection. DEXAN has allocated mmmm bytes of storage for its collector tables. For MVS SP4 or later, the collector can gather data from dynamic I/O devices that your site has defined to the OMEGAMON Subsystem.

System action:  None.

User response:  None.

DX1050  Entry will be deleted

Explanation:  You have requested that DEXAN remove a job or address space (STC name or TSO user ID) from job analysis.

System action:  None.

User response:  None.

DX1060  Deletion pending

Explanation:  After requesting that DEXAN remove a job or address space (STC name or TSO user ID) from job analysis, you have tried to display that job while the collector is still monitoring it.

System action:  None.

User response:  None.

DX1100  DEXAN to support up to mmm address space analyses

Explanation:  You have specified a maximum of mmm address spaces for DEXAN analysis.

System action:  None.

User response:  None.

DX1200  Collector to monitor period 1 of up to mmm performance groups

Explanation:  You have specified a maximum of mmm performance groups for DEXAN period one monitoring.

System action:  None.

User response:  None.
**DX1300 • DX2040**

<table>
<thead>
<tr>
<th>DX1300</th>
<th>Collector to collect data on up to nnn performance groups</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>You have specified a maximum of nnn performance groups for DEXAN monitoring.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>None.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>None.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DX1500</th>
<th>Collection has not yet started</th>
</tr>
</thead>
</table>
| **Explanation:** | One of the following entities is not yet available for DEXAN analysis:  
|             | • a job  
|             | • an address space (STC name or TSO user ID)  
|             | • the period one performance groups |
| **System action:** | None. |
| **User response:** | None. |

<table>
<thead>
<tr>
<th>DX1600</th>
<th>Collection started hhhhh, elap=ss, items=nn</th>
</tr>
</thead>
</table>
| **Explanation:** | DEXAN has started to analyze one of the following entities that has become active:  
|             | • a job  
|             | • an address space (STC name or TSO user ID)  
|             | • the period one performance groups |
| **System action:** | None. |
| **User response:** | None. |

<table>
<thead>
<tr>
<th>DX1700</th>
<th>No active entries</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>You have not selected any job, address space (STC name or TSO user ID), or DEXAN slot number, for DEXAN analysis.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>None.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>None.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DX1800</th>
<th>Entry added</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>You have selected a job, address space (STC name or TSO user ID), or DEXAN slot number, for DEXAN analysis.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>None.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>None.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DX1900</th>
<th>COMMAND NOT APPLICABLE IN GOAL MODE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The system is currently running in Work Load Manager goal mode and the entered command is a compatibility mode oriented command and therefore not applicable to goal mode. Generally, DEXAN does not support Workload Manager goal mode.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The command terminates completely.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>None.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DX2000</th>
<th>Command valid only when collector not running</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>You have issued a command that is not valid while the collector is running.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>None.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Either stop the collector or issue a command that is valid while the collector is running.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DX2010</th>
<th>Entry busy; retry later</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>You have tried to delete from analysis a job or address space (STC name or TSO user ID) for which DEXAN is processing an earlier request.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>None.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Try deleting the job or address space later.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DX2020</th>
<th>Entry already exists in table</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>You have tried to select a job or address space (STC name or TSO user ID) that DEXAN is already analyzing.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>None.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Select a different job or address space.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DX2040</th>
<th>No room in table to add entry</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>You have tried to select a new address space (STC name or TSO user ID) for analysis while DEXAN is already monitoring its maximum specified number of address spaces.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>None.</td>
</tr>
</tbody>
</table>
| **User response:** | After stopping the collector, specify a larger maximum by using one of the following commands:  
|             | • NUMA nnn for more address spaces  
|             | • NUMF nnn for more period one performance groups  
|             | • NUMP nnn for more performance groups |

For more information, see the OMEGAMON II for MVS: Command Language Reference Manual.
**DX2050**  Period one monitoring inactive

**Explanation:** You have set NUMF to zero.

**System action:** None.

**User response:** None.

**DX2060**  Entry inactive

**Explanation:** You have tried to display a job in a job table for which no job has been selected.

**System action:** None.

**User response:** None.

**DX2065**  Performance group not selected for collection

**Explanation:** You have tried to display or plot wait reasons for a performance group that DEXAN has not selected for data collection.

**System action:** None.

**User response:** Use the PONnnnn command to force DEXAN to select a performance group for collection. Collection starts at the next interval. If you want collection to start immediately, issue the CLR command. For more information, see OMEGAMON II for MVS: Command Language Reference Manual.

**DX2070**  Address space monitoring inactive

**Explanation:** You have set NUMA to zero.

**System action:** None.

**User response:** None.

**DX2080**  Valid range for period one entry number is 1 thru nn

**Explanation:** You have tried to display a period one table entry that is greater than NUMF.

**System action:** None.

**User response:** Plot a valid performance group.

**DX2090**  Valid range for address space entry is 1 thru nn

**Explanation:** You have tried to display a period one table entry that is greater than NUMA.

**System action:** None.

**User response:** Plot a valid job.

**DX2100**  Value cannot be 0

**Explanation:** You have tried to enter zero where DEXAN prohibits it.

**System action:** None.

**User response:** Enter a non-zero operand.

**DX2110**  Operand must be numeric

**Explanation:** You have entered a non-numeric operand.

**System action:** None.

**User response:** Enter a numeric operand.

**DX2120**  Operand must be “on,” “off,” or “null”

**Explanation:** You have entered an operand that is not on, off, or null.

**System action:** None.

**User response:** Enter an on, off, or null operand.

**DX3000**  Collection counters will be cleared

**Explanation:** You have requested that DEXAN clear its data collection counters.

**System action:** None.

**User response:** None.

**DX3001**  The collection counter for aaa is now on

**Explanation:** You have added a collection counter to the displayed list of collection counters.

**System action:** None.

**User response:** None.

**DX3002**  The collection counter for aaa is now off

**Explanation:** You have removed a collection counter from the displayed list of collection counters.

**System action:** None.

**User response:** None.

**DX3003**  Invalid counter ID (see BLST help for valid IDs)

**Explanation:** You have used an invalid collection counter ID while trying to add a counter to or remove a counter from the displayed list of collection counters.

**System action:** None.

**User response:** Use a valid collection counter ID. For more information, see the OMEGAMON II for MVS: Command Language Reference Manual.
DX4000 Enqueue data collection enabled, CYCLE= nn

Explanation: You have enabled enqueue wait collection to take samples every nn cycles.

System action: None.

User response: None.

DX4001 Enqueue data collection disabled

Explanation: You have disabled enqueue wait collection.

System action: None.

User response: None.

DX4002 Value must be between 0 and 10

Explanation: You cannot specify taking enqueue samples less often than every 10 sampling cycles.

System action: None.

User response: Enter an nn value between 1 and 10.

DX4100 Reserve data collection disabled/enabled

Explanation: You have enabled or disabled reserve data collection on a pre-SP2 system.

System action: None.

User response: None.

DX5000 Offset table cccc ccc loaded

Explanation: You have loaded JES2 offset table cccc cccc.

System action: None.

User response: None.

DX5001 Offset table cccc ccc has invalid format

Explanation: You have tried to load a JES2 offset table that has an invalid format.

System action: None.

User response: Use the J2LD command to load an offset table that has a valid format. For more information, see the OMEGAMON II for MVS: Command Language Reference Manual.

DX5002 Offset table cccc ccc initialization failed

Explanation: You have loaded a JES2 offset table that could not initialize.

System action: None.

User response: Use the J2LD command to load an offset table that can initialize. For more information, see the OMEGAMON II for MVS: Command Language Reference Manual.
DX6003 Performance groups for first period forced rejection
Explanation: DEXAN will not analyze the displayed period one performance groups at the next collection interval.
System action: None.
User response: None.

DX6004 Performance groups for first period forced selection
Explanation: DEXAN will start analyzing the displayed period one performance groups at the next collection interval.
System action: None.
User response: None.

DX6005 Performance groups for inclusion in cross-system table
Explanation: You have displayed a list of performance groups for forced inclusion in the cross-system table by doing either of the following:
- adding a performance group to the cross-system table
- removing a performance group from the cross-system table
System action: None.
User response: None.

DX6006 Forced selections exceed available entries
Explanation: You have not defined enough table space for all period one performance groups that you have identified for analysis.
System action: None.
User response: Use the NUMFnnn command to specify a larger maximum number of period one performance groups. For more information, see the OMEGAMON II for MVS: Command Language Reference Manual.

DX6007 Forced selections exceed available entries
Explanation: You have not defined enough table space for all performance groups that you have identified for analysis.
System action: None.
User response: Use the NUMPnnn command to specify a larger maximum number of performance groups. For more information, see the OMEGAMON II for MVS: Command Language Reference Manual.

DX6100 Performance groups selected:
Explanation: This is the list of performance groups that DEXAN is monitoring currently.
System action: None.
User response: None.

DX6101 Performance groups for inclusion in cross-system table
Explanation: This is the list of performance groups that appear in the XPG display.
System action: None.
User response: None.

DX7000 Collection counter clearing interval is every nnn minutes
Explanation: You have displayed the DEXAN data collector clear interval.
System action: None.
User response: None.

DX7001 Sync with RMF collection is turned on
Explanation: You have synchronized the DEXAN data collector clear interval with the RMF™ interval.
System action: None.
User response: None.

DX7002 Sync with RMF collection is turned off
Explanation: You have turned off the synchronization between the DEXAN data collector clear interval and the RMF interval, and reset the DEXAN data collector clear interval to 30 minutes.
System action: None.
User response: None.

DX7003 Collection counters will be cleared at every RMF interval
Explanation: You have synchronized the DEXAN data collector clear interval with the RMF interval.
System action: None.
User response: None.

DX7004 No clearing interval in effect
Explanation: You have tried to reset the DEXAN data collector clear interval without first turning off the synchronization between the DEXAN data collector clear interval and the RMF interval.
DX7100  The data collector sample time = n.n
Explanation: You have done either of the following:
• displayed the current DEXAN data collector sample time
• reset the DEXAN data collector sample time
System action: None.
User response: None.

DX7200  Plot percentage threshold is n %
Explanation: The DEXAN plot percentage threshold limits plot output to the most important wait reasons. You have done either of the following:
• displayed the current threshold
• reset the threshold
System action: None.
User response: None.

DX9000  Collector has terminated. Completion code = cxxx
Explanation: The collector has failed.
System action: None.
User response: Issue ABND to log the problem, then issue END and BEGN to restart DEXAN.

DX9002  Request ignored — suspend operation pending
Explanation: You have tried to suspend or resume data collection after DEXAN has already suspended data collection.
System action: None.
User response: None.

DX9003  Request ignored — resume operation pending
Explanation: You have tried to resume or suspend data collection while DEXAN is already waiting to resume data collection.
System action: None.
User response: None.

DX9005  Request ignored — collector has terminated. Completion code = cxxx
Explanation: You have tried to suspend or resume data collection after DEXAN has failed.
System action: None.
User response: None.

DX9999  The data collector ended
Explanation: You have stopped DEXAN data collection.
System action: None.
User response: None.
Chapter 6. E messages

**EA1511** VARIABLE XXXXXXXX NOT FOUND OR INVALID TYPE

*Explanation:*
The job terminates.

*System action:*
None.

*User response:*
Verify that the valid input parameters have been specified in the input file. The most frequent cause of this error is attempting to run the OMIIIBATR procedure as a stand-alone batch job. This procedure is meant to be used by OMEGAMON II for MVS only. To run standard EPILOG batch reports, use the procedure KEPPROC.

**EB010** PLEASE ENTER EPILOG REPORTER COMMAND OR END

*Explanation:*
This message is issued when running the EPILOG for IMS™ reporter in foreground mode (TSO without full-screen processing) as a prompt for the user to begin command input.

*System action:*
EPILOG waits for the next command.

*User response:*
Enter an EPILOG command, or END to terminate the EPILOG reporter.

**EB0130** INVALID KEYWORD

*Explanation:*
An unrecognizable keyword parameter has been found on an input command either because it is invalid or because of some prior input error.

*System action:*
OMEGAMON II bypasses the command and continues scanning the statement.

*User response:*
Correct the invalid parameter.

**EB0140** DUPLICATE OR CONFLICTING PARAMETER

*Explanation:*
The parameter indicated is invalid because it does not apply to the current command, has already been given, or conflicts with other parameters already entered.

*System action:*
OMEGAMON II bypasses the command and continues scanning the statement.

*User response:*
Correct the invalid parameter.

**EB0150** INVALID COMMAND IDENTIFIER

*Explanation:*
The command entered is invalid or is not available for the processor being used.

*System action:*
OMEGAMON II bypasses the statement.

*User response:*
Correct the invalid parameter.

**EB020** PLEASE CONTINUE CURRENT COMMAND

*Explanation:*
This message is issued when running the EPILOG for IMS™ reporter in foreground mode (TSO without full-screen processing) as a prompt for you to continue the current command. EPILOG continues prompting for command continuations until you enter a segment which does not end in a hyphen (-).

*System action:*
EPILOG waits for the next command segment.

*User response:*
Continue entering the current command; the continuation character is a hyphen. Remember that the last command segment entered must not end with a hyphen.

**EB0200** UNBALANCED QUOTES OR PARENTHESES

*Explanation:*
A string is not quoted properly, which means that it does not lie entirely on one input line or it is missing a beginning or ending quote, or it is missing a left or right parenthesis.

*System action:*
OMEGAMON II bypasses the statement.
EB0230  •  EB032

User response:
Correct the invalid parameter.

**Explanation:**
The keyword is not valid with this command.

**System action:**
OMEGAMON II bypasses the command and continues scanning the statement.

**User response:**
Correct the invalid keyword.

EB0240  END OF INPUT, CONTINUATION EXPECTED

**Explanation:**
The last line entered indicated that there would be more data but the end of input was found instead.

**System action:**
OMEGAMON II bypasses the statement.

**User response:**
Supply the continuation character or correct the prior statement.

EB0250  EXCESSIVE PARAMETER(S) IN PARENTHESES

**Explanation:**
There were additional parameters within a set of parentheses which were not processed by the historical reporter. They were considered extraneous because they were not within the syntax of the keyword parameter or because of prior errors encountered while scanning the statement.

**System action:**
OMEGAMON II bypasses the statement.

**User response:**
correct the prior statement by removing extraneous parameters.

EB0299  UNKNOWN ERROR HAS OCCURRED DURING PARSE

**Explanation:**
The parse scanner has failed. No reason code was returned.

**System action:**
OMEGAMON II bypasses the statement.

User response:
Examine the input statement carefully. If no errors are found, contact IBM Software Support.

EB030  A-MATRIX NAME MISSING

**Explanation:**
You must supply a 1- to 7-character A-matrix name.

**System action:**
EPILOG waits for the command to be corrected and reissued.

**User response:**
Correct the invalid parameter. Supply a valid A-matrix name and reissue the command.

EB031  SUMWAIT MEMBER NAME MISSING

**Explanation:**
The SUMDEF keyword requires a member name as an operand.

**System action:**
The command is bypassed and EPILOG processing continues.

**User response:**
Correct and re-enter the command.

EB0310  INVALID DATE

**Explanation:**
A date parameter has either an invalid format or is logically incorrect.

**System action:**
OMEGAMON II bypasses the command and continues scanning the statement.

**User response:**
Correct the invalid parameter.

EB032  PRDX MEMBER NAME MISSING

**Explanation:**
The PRDXDEF keyword requires a member name as an operand.

**System action:**
OMEGAMON II bypasses the command and continues scanning the statement.
The command is bypassed and EPILOG processing continues.

User response:
Correct and re-enter the command.

EB0320  INVALID TIME
Explanation:
A time parameter has either an invalid format or is logically incorrect.

System action:
OMEGAMON II bypasses the command and continues scanning the statement.

User response:
Correct the invalid parameter.

EB0340  MISSING LAST SUBPARAMETER
Explanation:
The last keyword entered required a subparameter that was not furnished. This message sometimes results from mismatched or missing parentheses.

System action:
OMEGAMON II bypasses the previous keyword.

User response:
Supply the missing subparameter, or correct the mismatched or missing parentheses.

EB0350  MISSING REQUIRED PARAMETER
Explanation:
This command or keyword has a required operand that was not entered.

System action:
OMEGAMON II bypasses the previous keyword.

User response:
Examine the command and supply the required parameters.

EB0400  INVALID PARAMETER LENGTH OR VALUE
Explanation:
The parameter is too long, too short, or has a value outside the required range.

System action:
OMEGAMON II bypasses the command and continues scanning the statement.

User response:
Correct the invalid parameter.

EB0410  PARAMETER AT INCORRECT LEVEL
Explanation:
The indicated parameter was not contained in the correct set of parentheses. The use of parentheses was ambiguous.

System action:
OMEGAMON II bypasses the command and continues scanning the statement.

User response:
Correct the invalid use of parentheses. Make sure all parentheses are matched pairs.

EB0486  BAND AND RANGE ARE MUTUALLY EXCLUSIVE
Explanation:
The BAND and RANGE keywords imply two different mutually exclusive interpretations of the start time and end time specification (BAND is the default).

System action:
OMEGAMON II bypasses the command and continues scanning the statement.

User response:
Remove either BAND or RANGE and resubmit.

EB0488  SUMMARY AND DETAIL ARE MUTUALLY EXCLUSIVE
Explanation:
SUMMARY and DETAIL are two different report types; only one report type is allowed per request.

System action:
OMEGAMON II bypasses the command and continues scanning the statement.

User response:
Remove either the SUMMARY or DETAIL keywords and resubmit.

EB050   NO INFORMATION AVAILABLE
Explanation:
You entered a plus (+) sign, requesting more information from the TSO command you issued, but none was available.

System action:
Processing continues.

User response:
EB0500  INVALID EXCEPTION LIMIT PARAMETER

Explanation:
The exception limit parameter has an incorrect format.

System action:
OMEGAMON II bypasses the command and continues scanning the statement.

User response:
Correct the invalid parameter.

EB0520  INVALID DAY VALUE

Explanation:
The parameter is not a valid operand of the DAY keyword.

System action:
OMEGAMON II bypasses the command and continues scanning the statement.

User response:
Correct the invalid parameter.

EB0510  INVALID TSO COMMAND SYNTAX

Explanation:
The TSO command you entered had an invalid syntax.

System action:
The command is ignored.

User response:
Correct the TSO command syntax.

EB0520  TSO COMMAND NOT FOUND

Explanation:
You did not enter a valid TSO command.

System action:
The command is ignored.

User response:
Enter a valid TSO command.

EB0530  EPILOG REPORTER NOT RUNNING UNDER TSO

Explanation:
EPILOG is running in batch mode, so it cannot accept TSO commands.

System action:

EB0540  TEST COMMAND NOT SUPPORTED

Explanation:
The TSO TEST command is not supported.

System action:
The command is ignored.

User response:
None.

EB0600  PURGE COMPLETED, NUMBER OF POINTERS DELETED = nnn

Explanation:
This status message is issued by KEBMAINT at the end of PURGE command processing. The variable nnn is a count of the total number of pointer records deleted. (This message is always followed by EB061.)

System action:
KEBMAINT continues processing the next command.

User response:
None.

EB0610  DATA RECORDS DELETED = nnn

Explanation:
This status message is issued by KEBMAINT at the end of PURGE command processing. The variable nnn is a count of the total number of data records deleted. (This message is always preceded by EB060.)

System action:
KEBMAINT continues processing the next command.

User response:
None.

EB0620  LOAD COMPLETED, NUMBER OF POINTER RECORDS = nnn

Explanation:
This status message is issued by KEBMAINT at the end of LOAD command processing. The variable nnn is a count of the total number of pointer records that have been written into the EDS. (This message is always followed by EB064.)

System action:
KEBMAINT continues termination processing. All
LOADs are processed at the end of command input.

User response:
None.

EB064  NUMBER OF DATA RECORDS = nnn

Explanation:
This status message is issued by KEBMAINT at the end of LOAD command processing. The variable nnn is a count of the total number of data records that have been written into the EDS. (This message is always preceded by EB062.)

System action:
KEBMAINT continues termination processing. All LOADs are processed at the end of command input.

User response:
None.

EB066  NO RECORDS LOADED TO EDS DATASET

Explanation:
This status message is issued by KEBMAINT at the end of LOAD command processing. No SMF records met the specified criteria, so none were written to the EDS.

System action:
KEBMAINT continues termination processing. All LOADs are processed at the end of command input.

User response:
Review selection criteria on LOAD commands.

EB068  DATASTORE SUCCESSFULLY INITIALIZED

Explanation:
The EPILOG (or DELTAMON®) datastore was successfully initialized.

System action:
None.

User response:
None.

EB069  RKM2PRDS SUCCESSFULLY INITIALIZED

Explanation:
The profile datastore was successfully initialized.

System action:
None.

User response:
None.

EB070  EXCLUDE COMPLETE, RECORDS READ = nnn

Explanation:
This status message is issued by KEBUTIL at the end of EXCLUDE command processing. The variable nnn is the number of records read from the RKEPIN or UEIIN dataset. (This message is always preceded by EB071.)

System action:
KEBUTIL continues termination processing. All EXCLUDEs are processed at the end of command input.

User response:
None.

EB071  EXCLUDE COMPLETE, RECORDS WRITTEN = nnn

Explanation:
This status message is issued by KEBUTIL at the end of EXCLUDE command processing. The variable nnn is the number of records written to the EDS. (This message is always preceded by EB070.)

System action:
KEBUTIL continues termination processing. All EXCLUDEs are processed at the end of command input.

User response:
None.

EB074  EXCLUDE COMPLETE, POINTER RECORDS DELETED = nnn

Explanation:
This status message is issued by KEBUTIL at the end of EXCLUDE command processing. The variable nnn is the number of pointer records read from RKEPIN or UEIIN, which were not written to the EDS because of EXCLUDE criteria. (This message is always followed by EB075.)

System action:
KEBUTIL continues termination processing. All EXCLUDEs are processed at the end of command input.

User response:
None.
EB075  EXCLUDE COMPLETE, DATA RECORDS DELETED = nnn

Explanation:
This status message is issued by KEBUTIL at the end of EXCLUDE command processing. The variable nnn is the number of data records read from RKEPIN or UEIIN, which were not written to the EDS because of EXCLUDE criteria. (This message is always preceded by EB074.)

System action:
KEBUTIL continues termination processing. All EXCLUDEs are processed at the end of command input.

User response:
None.

EB076  NO RECORDS DELETED, ALL FAILED EXCLUSION TESTS

Explanation:
This status message is issued by KEBUTIL at the end of EXCLUDE command processing; no records were excluded from being written. That is, no records were within the range of the EXCLUDE criteria.

System action:
KEBUTIL continues termination processing. All EXCLUDEs are processed at the end of command input.

User response:
Review selection criteria on EXCLUDE commands.

EB077  EXCLUDE COMPLETE, RECORDS FAILED VALIDATION TESTS = nnn

Explanation:
An internal record validation test failed during EXCLUDE processing.

System action:
The invalid records are not loaded into the datastore.

User response:
Investigate the cause of the bad records. One reason may be that the SMF input file was not sorted in ascending time sequence. Invalid records can also result from abnormal collector termination. If this occurred during the time period being loaded, this message should be ignored. If you cannot account for the invalid records, contact IBM Software Support for further assistance.

EB080  XXXXXXXX OPEN FAILURE

Explanation:
The XXXXXXXX DD statement is not present or the dataset failed to open properly. This message should only appear when the EPILOG reporter is running in batch.

System action:
The EPILOG reporter terminates.

User response:
Provide the required DD statement and rerun the job.

EB082  EPSMF OPEN FAILURE

Explanation:
This is a status message issued by KEBMAINT during LOAD command processing. The EPSMF DD statement was not present or the dataset failed to open properly.

System action:
KEBMAINT terminates and the LOAD command is aborted.

User response:
Provide the required DD statement and rerun the job.

EB084  HELP DATASET NOT AVAILABLE

Explanation:
User issued a HELP command, and the xxxxxxxx DD statement was missing or the dataset failed to open properly.

System action:
No help is displayed; EPILOG waits for the next command.

User response:
Allocate the xxxxxxxx DD statement to the EPILOG HELP partitioned dataset and rerun the job.

EB085  EPREPT OPEN FAILURE

Explanation:
The EPREPT DD statement was not present or the dataset failed to open properly. This message should only appear when the EPILOG reporter is running in batch. (EPREPT usually points to a SYSOUT dataset.)

System action:
EPILOG terminates.

User response:
Provide the required DD statement and rerun the job.
EB087  RKEPIN OPEN FAILURE

Explanation:
This is a status message issued by KEBUTIL at the end of EXCLUDE command processing. The RKEPIN DD statement is either missing or the dataset failed to open properly. RKEPIN should point to an unloaded EPILOG datastore VSAM cluster (created by IDCAMS REPRO).

System action:
KEBUTIL continues termination processing. (All EXCLUDEs are processed at the end of the command input.)

User response:
Review the selection criteria on EXCLUDE commands.

EB088  xxxxxxxx DD STATEMENT MISSING

Explanation:
The xxxxxxxx DD statement was required for the current EPILOG operation, but it was not supplied.

System action:
EPILOG operation is terminated.

User response:
Provide the required DD statement and rerun the job.

EB089  DATASET NOT AVAILABLE

Explanation:
The RKANPAR DD statement was missing or the dataset associated with the RKANPAR DD statement failed to open properly.

System action:
Various functions are not available (A-matrix, utilities, AUTO processing, user-defined PFKs, and so on).

User response:
Allocate the RKANPAR DD statement to the EPILOG PARM partitioned dataset and rerun.

EB090  ESTAE CREATION FAILED, NO ESTAE ENVIRONMENT nn

Explanation:
The ESTAE environment could not be established during KEBMAINT initialization because a non-zero return code (nn) was received during ESTAE creation. The EDS VSAM cluster will not be closed properly if KEBMAINT abnormally terminates.

System action:
KEBMAINT continues without the ESTAE environment.

EB099  INTERNAL ERROR IN MODULE ccccccc CODE = nnnn

Explanation:
An internal error message occurred in the specified module. This is not a user problem.

System action:
The command is bypassed.

User response:
Contact IBM Software Support and report the exact text of the message, including the module, code number, and command that was entered.

EB0999  UNABLE TO OPEN MESSAGE DATASET

Explanation:
The message dataset did not open properly in batch mode. There is no way for OMEGAMON II to do logging and error reporting.

System action:
Processing terminates with an abend code of 999.

User response:
Make sure that the message dataset is allocated properly and retry.

EB100  INSUFFICIENT VIRTUAL STORAGE FOR DIRECTORY UPDATE

Explanation:
There was not enough virtual memory available for the RKANPAR directory to be updated.

System action:
CMAT, DMAT, RMAT, or PFK SAVE aborts.

User response:
Increase region size available to EPILOG reporter and rerun.

EB105  PERMANENT I/O ERROR ON DATASET

Explanation:
A permanent I/O error was discovered when reading or writing to the RKANPAR dataset.

System action:
EB110 • EB180

Operation did not complete successfully.
User response:
Examine RKANPAR dataset and its directory for
damage. It may be necessary to restore or rebuild the
dataset.

EB110 PARM DATASET DIRECTORY FULL
Explanation:
There is not enough space in the RKANPAR dataset
directory to add another member.
System action:
A new A-matrix or PFK member cannot be created.
User response:
Reallocate the RKANPAR dataset with more directory
blocks.

EB120 MEMBER ALREADY EXISTS IN PARM
DATASET
Explanation:
The member you are trying to create with CMAT
already exists in RKANPAR.
System action:
CMAT is aborted.
User response:
Choose a different A-matrix name or use RMAT to
replace the existing member.

EB130 INVALID KEYWORD
Explanation:
An unrecognizable keyword parameter was found on
an input command. Either the keyword parameter was
invalid or there was some prior input error.
System action:
EPILOG bypasses the command and continues
scanning the statement.
User response:
Correct the invalid parameter.

EB131 AMBIGUOUS KEYWORD IN
COLUMN nn
Explanation:
An unrecognizable keyword parameter has been found
on an input command either because it is not valid or
because of some prior input error.
System action:

EB140 DUPLICATE OR CONFLICTING
PARAMETER
Explanation:
The parameter indicated is invalid for one of three
reasons: it does not apply to the current command, it
has already been given, or it conflicts with other
parameters already entered.
System action:
EPILOG bypasses the command and continues
scanning the statement.
User response:
Correct the invalid parameter.

EB150 INVALID COMMAND IDENTIFIER
Explanation:
The command entered is invalid or is not available for
the processor being used.
System action:
EPILOG bypasses the statement.
User response:
Correct the invalid parameter.

EB160 MISSING DATE/TIME PARAMETERS
Explanation:
The command entered was incomplete. The command
requires a time, a date, or a day parameter.
System action:
KEBUTIL bypasses the statement.
User response:
Add the required data to the command.

EB180 MEMBER NOT FOUND
Explanation:
The member does not exist in the RKANPAR dataset.
System action:
The member is not read.
User response:
Correct the member name and try again.
EB188  J, P, OR V ONLY VALID FOR RDAS AND DEGRADATION PANELS

Explanation:
An attempt was made to use the J, P, or V navigation codes from a panel other than an RDAS or Degradation panel.

System action:
The reporter waits for the next command.

User response:
None. You can enter any valid command after encountering this warning.

EB189  ONLY D SELECTION VALID FROM INQUIRE SUMMARY PANEL

Explanation:
An attempt was made to use a navigation code other than D from an INQUIRE SUMMARY panel.

System action:
The reporter waits for the next command.

User response:
None. You can enter any valid command after encountering this warning.

EB190  S, D, OR R NOT ALLOWED ON COMMAND INPUT LINE

Explanation:
The S, D, or R selection commands were entered from the command input line at the top of the screen. The S, D, or R selection commands can only be entered from the data area of a full-screen display.

System action:
The selection is ignored.

User response:
Press Enter to return to the previous display.

EB191  S SELECTION INVALID WITH SINGLE INTERVALS

Explanation:
The user asked for a single interval breakdown on a summary report when the display was already at the single interval level. S is only valid from a SUMMARY report where COMBINE has been used.

System action:
The selection ignored.

User response:
Press Enter to return to the previous display.

EB192  INTERNAL ERROR: D PROCESS FAILURE

Explanation:
An internal error occurred while processing the user's request.

System action:
The request is aborted.

User response:
This is an internal software error and not a user problem; contact IBM Software Support.

EB193  D SELECTION INVALID FROM A DETAIL DISPLAY

Explanation:
The user asked for a detailed degradation breakdown while already on a DETAIL display. D is only valid from a SUMMARY report.

System action:
The selection is ignored.

User response:
Press Enter to return to the previous display.

EB194  S SELECTION INVALID FROM A DETAIL DISPLAY

Explanation:
The user tried to use S from a detailed degradation display; this is not allowed. Use the S selection command on a COMBINEd SUMMARY display to ask for a single interval breakdown of the selected time period.

System action:
The selection is ignored.

User response:
Press Enter to return to the previous display.

EB197  ISPF INTERFACE ERROR. ERR CODE EB197nnnn.

Explanation:
An internal processing error occurred during the translation of EPILOG output to ISPF display format.

System action:
EPILOG abends with user abend code of 197.

User response:
The message includes a reason code number (nnnn). The user should contact IBM Software Support with: (1) the error and reason code numbers (2) the text of the
command entered, and (3) the display terminal type being used (for example, 3278-4, 3279-3b, and so on).

EB200   UNBALANCED QUOTES OR PARENTHESES

Explanation:
Either (1) a string is not quoted properly; that is, it does not lie entirely on one input line or it is missing a beginning or ending quote, or (2) it is missing a left or right parenthesis.

System action:
EPILOG bypasses the statement.

User response:
Correct the invalid parameter.

EB210   INVALID COMMAND FOR THIS PRODUCT ENVIRONMENT

Explanation:
The specified EPILOG command is invalid for the current EPILOG API (internal development interface).

System action:
The reporter stops processing the current command and starts processing the next command.

User response:
Contact IBM Software Support.

EB220   INVALID RESOURCE PANEL TYPE FROM A-MATRIX

Explanation:
An invalid resource panel name was found in the Automatic Analysis matrix specification.

System action:
Processing continues.

User response:
Correct the resource panel name and try again.

EB230   INVALID KEYWORD FOR THIS COMMAND

Explanation:
The keyword is not valid with this command.

System action:
EPILOG bypasses the command and continues scanning the statement.

User response:
Correct the invalid keyword.

EB240   END OF INPUT, CONTINUATION EXPECTED

Explanation:
The last line entered indicated that there would be more data but, in fact, the input ended.

System action:
EPILOG bypasses the statement.

User response:
Supply the remaining data or correct the last line entered.

EB250   EXCESSIVE PARAMETER(S) IN PARENTHESES

Explanation:
There were additional parameters within a set of parentheses which were not processed by EPILOG. They were considered as extraneous because either they were not within the syntax of the keyword parameter or because errors were encountered when the statement was scanned.

System action:
EPILOG bypasses the statement.

User response:
Correct the prior statement by deleting extraneous parameters.

EB260   INVALID WAIT REASON FOR A-MATRIX

Explanation:
The wait reason name specified in the A-matrix command is not valid. Refer to the OMEGAMON II for IMS Realtime Commands Reference Manual, for valid wait reasons.

System action:
The command is ignored.

User response:
Correct the wait reason name and repeat the command.

EB270   INVALID COMPARATOR IN RIF EXPRESSION

Explanation:
An invalid symbol for the comparator in the REPORTIF expression was entered.

System action:
The reporter waits for the next command.

User response:
Correct the comparator and resubmit the command.

**EB271**  INVALID VALUE IN RIF EXPRESSION

Explanation:
An invalid value in the REPORTIF expression was entered.

System action:
The reporter waits for the next command.

User response:
Correct the value and resubmit the command.

**EB272**  INVALID UNIT IN RIF EXPRESSION

Explanation:
An invalid unit in the REPORTIF expression was entered.

System action:
The reporter waits for the next command.

User response:
Correct the unit and resubmit the command.

**EB273**  DATA DICTIONARY CALL FAILURE

Explanation:
An internal processing error has occurred while processing the REPORTIF expression on the command.

System action:
The reporter waits for the next command.

User response:
Contact IBM Software Support.

**EB275**  RESOURCE TYPE NOT FOUND IN TABLE

Explanation:
An internal processing error has occurred while processing the REPORTIF expression on the command.

System action:
The reporter waits for the next command.

User response:
Contact IBM Software Support.

**EB276**  INVALID PRECISION IN RIF VALUE

Explanation:
A value was entered in the RIF expression that was too precise for the data value in the resource record.

System action:

User response:
Reduce the precision of the value in the RIF expression.

**EB277**  INVALID COMPARATOR WITH CHARACTER MASK

Explanation:
When a character string is specified using a mask, only the EQUAL and NOTEQUAL operators are supported.

System action:
None.

User response:
Correct the command input and continue.

**EB278**  INCOMPLETE RIF EXPRESSION

Explanation:
A RIF expression requires a keyword, a comparator, and a value.

System action:
None.

User response:
Correct the command input and continue.

**EB279**  INVALID VALUE LENGTH IN RIF EXPRESSION

Explanation:
The length of the input value exceeds the defined length for the value being tested by the RIF expression.

System action:
None.

User response:
Correct the command input and continue.

**EB299**  UNKNOWN ERROR HAS OCCURRED DURING PARSE

Explanation:
The parse scanner has failed. No reason code was returned.

System action:
EPILOG bypasses the statement.

User response:
Examine the input statement carefully. If there does not appear to be any errors, call IBM Software Support.
EB300  •  EB460

EB300    PARAMETER NOT NUMERIC
Explanation:
A parameter that was required to be numeric was not.
System action:
EPILOG bypasses the command and continues scanning the statement.
User response:
Correct the invalid parameter.

EB310    INVALID DATE
Explanation:
A date parameter has either an invalid format or is logically incorrect.
System action:
EPILOG bypasses the command and continues scanning the statement.
User response:
Correct the invalid parameter.

EB320    INVALID TIME
Explanation:
A time parameter has either an invalid format or is logically incorrect.
System action:
EPILOG bypasses the command and continues scanning the statement.
User response:
Correct the invalid parameter.

EB330    MISSING WORKLOAD DEFINITION
Explanation:
The user entered a command that required a workload but none was given.
System action:
EPILOG bypasses the previous statement.
User response:
Supply the missing workload type keyword to the command.

EB340    MISSING LAST SUBPARAMETER
Explanation:
The last keyword entered required a subparameter but none was given. (This message sometimes results when you have mismatched or missing parentheses.)

EB350    MISSING REQUIRED PARAMETER
Explanation:
This command or keyword has a required operand, which was not entered.
System action:
EPILOG bypasses the previous keyword.
User response:
Examine the command and supply the required parameters.

EB400    INVALID PARAMETER LENGTH OR VALUE
Explanation:
The parameter was either too long or too short or it had a value outside the required range.
System action:
EPILOG bypasses the command and continues scanning the statement.
User response:
Correct the invalid parameter.

EB410    PARAMETER AT INCORRECT LEVEL
Explanation:
The indicated parameter was not contained in the correct set of parentheses. The use of parentheses was ambiguous.
System action:
EPILOG bypasses the command and continues scanning the statement.
User response:
Correct the invalid use of parentheses. Make sure all parentheses are matched pairs.

EB460    TITLE PARAMETER TOO LONG
Explanation:
The string is longer than allowed for a title. The maximum number of characters for a title is 80.
System action:
EPILOG bypasses the command and continues scanning the statement.
User response:
Correct the invalid parameter.

EB470  WORKLOADS AND XPG ARE MUTUALLY EXCLUSIVE

Explanation:
The user may not enter workload parameters if the cross performance group (XPG) report has been requested.

System action:
EPILOG bypasses the command and continues scanning the statement.

User response:
Determine which should be entered, the workload or XPG, and correct the statement accordingly.

EB471  COMBINE IS NOT ALLOWED WITH INTERPERF (XPG)

Explanation:
The cross performance group display (XPG) cannot be generated with COMBINEd intervals.

System action:
EPILOG bypasses the command and continues scanning the statement.

User response:
Remove the COMBINE keyword and try again.

EB472  RESOURCES AND XPG ARE MUTUALLY EXCLUSIVE

Explanation:
The user asked for two display types at the same time; only one is allowed.

System action:
EPILOG bypasses the command and continues scanning the statement.

User response:
Remove either the RESOURCE or the XPG keyword from the command and try again.

EB473  SUMMARY AND XPG ARE MUTUALLY EXCLUSIVE

Explanation:
The user asked for two display types at the same time; only one is allowed.

System action:
EPILOG bypasses the command and continues scanning the statement.

User response:
Remove either the SUMMARY or the XPG keyword from the command and try again.

EB474  DETAIL AND XPG ARE MUTUALLY EXCLUSIVE

Explanation:
The user asked for two display types at the same time; only one is allowed.

System action:
EPILOG bypasses the command and continues scanning the statement.

User response:
Remove either the DETAIL or the XPG keyword from the command and try again.

EB481  COMBINE AND SINGLE ARE MUTUALLY EXCLUSIVE

Explanation:
The user's command included both combined intervals and single intervals. A display cannot use both combined intervals and single intervals at the same time.

System action:
EPILOG bypasses the command and continues scanning the statement.

User response:
Remove either the COMBINE or SINGLE keyword and try again.

EB482  AVERAGE AND TOTAL ARE MUTUALLY EXCLUSIVE

Explanation:
The user's command included both average and total response time numbers. A combined interval display cannot produce both average and total response time numbers at the same time.

System action:
EPILOG bypasses the command and continues scanning the statement.

User response:
Remove either the AVERAGE or TOTAL keyword and try again.
**EB483** AVERAGE AND TOTAL ARE INVALID WITH SINGLE

Explanation:
The user's command includes AVERAGE or TOTAL keyword and the SINGLE keyword. The AVERAGE and TOTAL keywords both imply combined-interval processing; a display cannot use both combined intervals and single intervals at the same time.

System action:
EPILOG bypasses the command and continues scanning the statement.

User response:
Remove either the AVERAGE, TOTAL, or SINGLE keyword and try again.

**EB484** AVERAGE AND TOTAL ARE INVALID WITH RESOURCE DISPLAYS

Explanation:
The user's command includes a resource keyword and the AVERAGE or TOTAL keywords. The AVERAGE and TOTAL options are only valid with DETAIL and SUMMARY reports.

System action:
EPILOG bypasses the command and continues scanning the statement.

User response:
Remove the AVERAGE or TOTAL keyword and try again.

**EB485** RESOURCE AND WORKLOAD TYPES ARE MUTUALLY EXCLUSIVE

Explanation:
The user asked for a resource panel but also specified a workload, which implies a DETAIL or SUMMARY report. Since only one display type is allowed at a time, the request is invalid.

System action:
EPILOG bypasses the command and continues scanning the statement.

User response:
Remove either the SUMMARY or DETAIL keyword and try again.

**EB486** BAND AND RANGE ARE MUTUALLY EXCLUSIVE

Explanation:
The BAND and RANGE keywords imply two different mutually exclusive interpretations of the start time/end time specification (BAND is the default).

System action:
EPILOG bypasses the command and continues scanning the statement.

User response:
Remove either the BAND or RANGE keyword and try again.

**EB487** PARM MUST BE RESOURCE PANEL TYPE OR A-MATRIX NAME

Explanation:
The RESOURCE command accepts only resource panels and A-matrix names as valid arguments.

System action:
The RESOURCE request is ignored.

User response:
Press Enter to return to the previous display or re-enter RESOURCE command.

**EB488** SUMMARY AND DETAIL ARE MUTUALLY EXCLUSIVE

Explanation:
The user requested both SUMMARY and DETAIL, which are two different report types. Only one report type is allowed per request.

System action:
EPILOG bypasses the command and continues scanning the statement.

User response:
Remove either the SUMMARY or DETAIL keyword and try again.

**EB489** INTERVAL INVALID WITH BATCH WORKLOAD

Explanation:
The user tried to COMBINE batch job workload data and supplied a multi-interval length. This is invalid since batch jobs do not directly relate to collection intervals.

System action:
EPILOG bypasses the command and continues scanning the statement.

User response:
Remove the interval length subparameter from COMBINE and try again.
<table>
<thead>
<tr>
<th>Error Code</th>
<th>Explanation</th>
<th>System action</th>
<th>User response</th>
</tr>
</thead>
<tbody>
<tr>
<td>EB490</td>
<td>No workload, resource, or display type was supplied.</td>
<td>EPILOG bypasses the command and continues scanning the statement.</td>
<td>Supply a report type keyword and try again.</td>
</tr>
<tr>
<td>EB491</td>
<td>Resources and summary are mutually exclusive.</td>
<td>EPILOG bypasses the command and continues scanning the statement.</td>
<td>Remove either the INTERVAL or COMBINE keyword from the command.</td>
</tr>
<tr>
<td>EB492</td>
<td>Resources and detail are mutually exclusive.</td>
<td>EPILOG bypasses the command and continues scanning the statement.</td>
<td>Remove either the INTERVAL or COMBINE keyword from the command.</td>
</tr>
<tr>
<td>EB493</td>
<td>Step and combine are mutually exclusive.</td>
<td>EPILOG bypasses the command and continues scanning the statement.</td>
<td>Correct and resubmit the command.</td>
</tr>
<tr>
<td>EB494</td>
<td>Interval and combine are mutually exclusive.</td>
<td>EPILOG bypasses the command and continues processing.</td>
<td>Remove either the INTERVAL or COMBINE keyword from the command.</td>
</tr>
<tr>
<td>EB496</td>
<td>Interval keyword invalid with compare command.</td>
<td>None.</td>
<td>Correct and resubmit the command.</td>
</tr>
<tr>
<td>EB498</td>
<td>Add, drop, and use are mutually exclusive keywords.</td>
<td>EPILOG bypasses the command and processing continues.</td>
<td>Remove either the COMBINE or STEP keyword from the command.</td>
</tr>
<tr>
<td>EB499</td>
<td>EDS, DDS, and RKM2PRDS are mutually exclusive keywords.</td>
<td>Eliminate the conflicting keywords and retry the operation.</td>
<td>None.</td>
</tr>
</tbody>
</table>
keywords were entered in the same DATASTOR command.

**System action:**
The reporter waits for the next command.

**User response:**
Eliminate the conflicting keywords and retry the operation.

**EB500**  INVALID EXCEPTION LIMIT PARAMETER

**Explanation:**
The exception limit parameter had an incorrect format.

**System action:**
EPILOG bypasses the command and continues scanning the statement.

**User response:**
Correct the invalid parameter.

**EB510**  INVALID UNIT OF TIME FOR EXCEPTION LIMIT

**Explanation:**
The exception limit subparameter format was invalid.

**System action:**
EPILOG bypasses the command and continues scanning the statement.

**User response:**
Correct the invalid parameter.

**EB520**  INVALID DAY VALUE

**Explanation:**
The parameter was not a valid operand of the DAY keyword.

**System action:**
EPILOG bypasses the command and continues scanning the statement.

**User response:**
Correct the invalid parameter.

**EB530**  SYSTEM IDENTIFICATION TOO LONG (MAX=4)

**Explanation:**
The SYSID parameter exceeded the 1- to 4-characters in length limit.

**System action:**
EPILOG bypasses the command and continues scanning the statement.

**User response:**
Correct the invalid parameter.

**EB531**  MERGE ONLY ALLOWED ON DISPLAY AND SET COMMANDS

**Explanation:**
The MERGE keyword was specified with the SYSID keyword in other than a DISPLAY or a SET command.

**System action:**
The reporter waits for the next command.

**User response:**
Eliminate the MERGE keyword from the SYSID keyword and retry the operation.

**EB532**  NO EDS ALLOCATED TO THIS REPORTER SESSION

**Explanation:**
See message EB533 (IMS).

**System action:**
See message EB533 (IMS).

**User response:**
See message EB533 (IMS).

**EB533**  USE DATASTOR COMMAND TO ALLOCATE REQUIRED EDS

**Explanation:**
A command requiring an EDS was issued while no EDS was available for processing.

**System action:**
The command terminates.

**User response:**
Use the DATASTOR command to allocate an EDS for the original command to process. Reissue the original command.

**EB540**  INVALID SMF RECORD VALUE (MAX=255)

**Explanation:**
The SMF record number was larger than 255.

**System action:**
EPILOG bypasses the command and continues scanning the statement.

**User response:**
Correct the invalid parameter.

**EB550** INVALID THRESHOLD VALUE
(MAX=99)

**Explanation:**
The user requested a value larger than 99 percent.

**System action:**
EPILOG bypasses the command and continues scanning the statement.

**User response:**
Correct the invalid parameter.

**EB560** A-MATRIX NAME TOO LONG
(MAX=7)

**Explanation:**
The user requested an Automatic Analysis matrix (A-matrix) member name which exceeded seven alphanumeric characters. (EPILOG prefixes the member name with @ in the RKANPAR dataset.)

**System action:**
The request is aborted.

**User response:**
Correct the A-matrix name and try again.

**EB561** SUMWAIT NAME TOO LONG
(MAX=8)

**Explanation:**
The member name specified contained more than 8 characters.

**System action:**
EPILOG bypasses the command and continues processing.

**User response:**
Correct the SUMWAIT name and reenter the command.

**EB562** PRDX NAME TOO LONG (MAX=8)

**Explanation:**
The member name specified contained more than 8 characters.

**System action:**
EPILOG bypasses the command and continues processing.

**User response:**
Correct the PDRX name and reenter the command.

---

**EB550 • EB595**

**EB570** PFK MEMBER NAME TOO LONG
(MAX=7)

**Explanation:**
A PFK definition member name can only be seven alphanumeric characters long. (This is because EPILOG prefixes the member name with $ in the RKANPAR dataset.)

**System action:**
The request is aborted.

**User response:**
Correct the PFK member name and try again.

**EB580** ENTER PARMS FOR CREATING A-MATRIX

**Explanation:**
When using CMAT or RMAT you must supply not only an A-matrix name but also at least one wait reason and its associated resource panels (such as PAG RPAG RPDS).

**System action:**
The CMAT or RMAT command is ignored.

**User response:**
Supply an appropriate automatic analysis specification (a wait reason name followed by a string of resource panel names in parentheses).

**EB590** CANNOT DELETE OR REPLACE LAST WAIT WITH RMAT

**Explanation:**
When the user utilizes RMAT and specifies a wait reason with no resource panels, the wait reason is deleted from the A-matrix. The wait reason cannot be deleted if it is the only wait reason defined in the A-matrix.

**System action:**
The command is ignored.

**User response:**
Use two commands: one to delete the A-matrix (DMAT) and the other to add a new A-matrix with the desired wait reason.

**EB595** CANNOT DELETE AND ADD/REPLACE A WAIT IN THE SAME COMMAND

**Explanation:**
When the user utilizes RMAT and specifies a wait reason with no resource panels, the wait reason is deleted from the matrix. The user cannot specify a wait reason in the same command.

---

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reason to be added or replaced in the same command.

System action:
The command is ignored.

User response:
Use two commands; one to delete a wait reason, and
the other to add or replace a wait reason.

EB600  EDS DATASET OPEN ERROR nnn
Explanation:
The EPILOG xxxxxxxx dataset did not open properly.

System action:
KEBMAINT or KEBUTIL terminates. The EPILOG
reporter continues if the return code is less than 128.

User response:
Determine how severe the error is and correct the
xxxxxxxxx dataset accordingly. Note that in a multiple
system environment it is normal to receive error code
116 when the EPILOG datastore is currently open on
another system.

EB601  OPEN FAILED FOR EDS CODE = nn
Explanation:
An attempt to open an EDS failed. nn is the VSAM
error code from OPEN; see the IBM VSAM
administration documentation for more information.
Normally, this message will be followed by message
EB930, which identifies the dataset name of the EDS to
which this message applies.

System action:
The issuing program continues normally.

User response:
None, unless additional error messages signal a
problem; in that case, respond as specified in the
additional messages.

EB602  EDS OPENED WITH WARNING CODE = nnn
Explanation:
An EDS was successfully opened for input but VSAM
issued a warning message. nn is the VSAM reason code
associated with the warning; see the IBM VSAM
administration documentation for more information.
This message should be followed by message EB930,
which identifies the dataset name of the EDS to which
this message applies.

System action:
The issuing program continues normally.

User response:
None.

EB605  RKM2PRDS DATASET OPEN ERROR
Explanation:
EPILOG attempted to open the RKM2PRDS but the
open failed.

System action:
The EPILOG function (RKM2PRDS initialization,
reporter, or maintenance) is terminated.

User response:
Check or add a DD statement for the RKM2PRDS.

EB606  RKM2PRDS DATASET NOT OPEN
FOR OUTPUT
Explanation:
During the execution of the PROFILE command,
EPILOG was not able to write to the Profile datastore.
This error occurs if you submit the PROFILE command
as input to the reporter.

System action:
EPILOG terminates the current command.

User response:
Do not submit the PROFILE command as input to the
reporter.

EB607  KEYWORD PNAME MISSING
Explanation:
The PROFNAME (PNAME) keyword was not supplied
on the PROFILE command.

System action:
EPILOG terminates the current command.

User response:
Supply the PNAME keyword on the PROFILE
command.

EB610  EDS DATASET READ ERROR CODE = nnnn
Explanation:
A read against an EPILOG datastore failed.

System action:
The command or command section is terminated. If
possible, the command continues with another
workload.

User response:
This problem was caused by either an I/O error on the
dataset or an internal error within EPILOG. If the error code does not indicate an I/O error, contact IBM Software Support for assistance.

**EB611 LSR INDEX BUFFERS OBTAINED = nnn**

**Explanation:**
This is a normal initialization message that indicates the number of index LSR buffers obtained during initialization.

**System action:**
Processing continues.

**User response:**
None.

**EB612 LSR DATA BUFFERS OBTAINED = nnn**

**Explanation:**
This is a normal initialization message that indicates the number of data LSR buffers obtained during initialization.

**System action:**
Processing continues.

**User response:**
None.

**EB615 RKM2PRDS DATASET I/O ERROR**

**Explanation:**
During the execution of the PROFILE command, EPILOG encountered an error while reading/writing to the Profile datastore.

**System action:**
EPILOG terminates the current command.

**User response:**
There is a problem with the Profile datastore that might require datastore maintenance. Other messages preceding this one should help you pinpoint the problem. If you need further assistance, contact IBM Software Support.

**EB620 NO EPILOG RECORDS MATCHED SELECTION CRITERIA**

**Explanation:**
The EPILOG datastore was searched and no records were found which matched the user’s request. At least 10 samples must be taken before data for a batch job step is written to an EDS. If SAMPTIME is set in KEPOPTN to 2.3, the minimum elapsed time for a job step is 23 seconds. There will be no data on the EDS for job steps shorter than 23 seconds.

**System action:**
Processing continues with the next command.

**User response:**
None.

**EB630 EDS DATASET ERASE ERROR nnn**

**Explanation:**
An error occurred while erasing an EPILOG xxxxxxxx dataset record.

**System action:**
Processing continues with another workload or the next command.

**User response:**
This problem could be caused by either an I/O error on the dataset or an internal error within EPILOG. If the error code does not indicate an I/O error, call IBM Software Support for assistance.

**EB640 EDS DATASET WRITE ERROR nnn**

**Explanation:**
An error occurred while a WRITE was issued to the EPILOG xxxxxxxx dataset.

**System action:**
Processing continues with another workload or the next command.

**User response:**
This problem could be caused by either an I/O error on the dataset or an internal error within EPILOG. If the error code does not indicate an I/O error, call IBM Software Support for assistance.

**EB650 MODCB/SHOWCB/TESTCB ERROR**

**Explanation:**
A control block manipulation request failed with the indicated return code.

**System action:**
The command processing terminates and the next command is processed.

**User response:**
This is an internal software error and not a user problem; call IBM Software Support.
EB660  EDS DATASET CLOSE ERROR  nnn
Explanation:
An error occurred while a CLOSE was issued to the VSAM cluster.

System action:
EPILOG processor terminates.

User response:
This problem could be caused by either an I/O error on the dataset or an internal error within EPILOG. If the error code does not indicate an I/O error, call IBM Software Support for assistance.

EB670  EDS DATASET POINT ERROR  nnn
Explanation:
An error occurred while a POINT was issued to the VSAM cluster.

System action:
The command initiating the POINT request terminates.

User response:
This problem could be caused by either an I/O error on the dataset or an internal error within EPILOG. If the error code does not indicate an I/O error, call IBM Software Support for assistance.

EB680  EDS DATASET ENDREQ ERROR
Explanation:
An error occurred while an ENDREQ was issued to the VSAM cluster.

System action:
EPILOG operation is terminated.

User response:
This problem was caused by either an I/O error on the dataset or an internal error within EPILOG. If the error code does not indicate an I/O error, call IBM Software Support.

EB690  RECSIZE GREATER THAN 32767.
COLLECTOR TERMINATING.
Explanation:
The maximum record size (RECSIZE) for the EPILOG datastore is 32767.

System action:
Collector initialization stops and data collection does not begin.

User response:
Define a new cluster for the EPILOG datastore with a record size of 32767 or less.

EB691  KEYSIZE OF EDS INCORRECT.
EPILOG TERMINATING.
Explanation:
An incorrect keysize was entered. The EPILOG datastore requires a VSAM key that is 32 bytes in length.

System action:
None.

User response:
Verify that EDSLIST or the RKM2EDS ddname specifies the correct VSAM clusters. If necessary, redefine the datastore.

EB692  KEYSIZE OF RKM2PRDS INCORRECT.
EPILOG TERMINATING.
Explanation:
An incorrect keysize was entered. The Profile datastore requires a VSAM key that is 80 bytes in length.

System action:
None.

User response:
Correct the DD statement or redefine the cluster. Check the RKM2PRDS DD statement to be sure that it points to the correct cluster and dataset.

EB693  INVALID OR MISSING
INITIALIZATION RECORD
Explanation:
An EDS that had successfully been opened for input did not contain a valid initialization record. If the issuing program supports multiple datastores, this message will be followed by message EB930, which identifies the dataset name of the EDS to which this message applies.

System action:
The issuing program terminates, continues without the EDS, or continues with restricted use of the EDS.

User response:
You may have failed to properly initialize the EDS. If you determine that the EDS is empty, initialize the EDS using the KEBINIT utility. However, this message may also be the result of inappropriate use of VSAM utilities to alter EDS content, or of specification of a VSAM cluster that is not a valid EDS. If you are unable to resolve this problem, contact IBM Software Support for assistance.
<table>
<thead>
<tr>
<th>Code</th>
<th>Message Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EB695</td>
<td>EDS SUCCESSFULLY RESET</td>
</tr>
<tr>
<td></td>
<td><strong>Explanation:</strong></td>
</tr>
<tr>
<td></td>
<td>The KEBRSET utility successfully reset the collection status of an EDS to AVAILABLE.</td>
</tr>
<tr>
<td></td>
<td><strong>System action:</strong></td>
</tr>
<tr>
<td></td>
<td>KEBRSET terminates normally.</td>
</tr>
<tr>
<td></td>
<td><strong>User response:</strong></td>
</tr>
<tr>
<td></td>
<td>None.</td>
</tr>
</tbody>
</table>

| EB700  | WAIT REASON NOT FOUND IN TABLE                                                      |
|        | **Explanation:**                                                                    |
|        | This was an internal processing error.                                              |
|        | **System action:**                                                                  |
|        | The command is terminated.                                                          |
|        | **User response:**                                                                 |
|        | This is an internal software error and not a user problem; contact IBM Software Support.|

| EB720  | INTERNAL ERROR: INVALID REPORT TYPE                                                |
|        | **Explanation:**                                                                    |
|        | This was an internal processing error.                                              |
|        | **System action:**                                                                  |
|        | The command is terminated.                                                          |
|        | **User response:**                                                                 |
|        | This is an internal software error and not a user problem; contact IBM Software Support.|

| EB760  | MISSING QUOTE IN SUMWAIT MEMBER IN LINE nn                                        |
|        | **Explanation:**                                                                    |
|        | There were unbalanced quotes in the specified line of the SUMWAIT member being processed.|
|        | **System action:**                                                                  |
|        | Syntax checking is discontinued and SUMWAIT defaults are put in effect.            |
|        | **User response:**                                                                 |
|        | Correct the error in the SUMWAIT specification.                                    |

| EB761  | MISSING QUOTE IN PRDX MEMBER IN LINE nn                                             |
|        | **Explanation:**                                                                    |
|        | There were unbalanced quotes in the specified line of                              |

| EB762  | DUPLICATE SHORT SUMWAIT NAMES IN LINE nn                                           |
|        | **Explanation:**                                                                    |
|        | Two different summary wait names have the same 4-character abbreviation specified.  |
|        | The 4-character abbreviations must be unique.                                       |
|        | **System action:**                                                                  |
|        | SUMWAIT defaults are put in effect.                                                  |
|        | **User response:**                                                                 |
|        | Correct the error in the SUMWAIT specification.                                     |

| EB763  | CONFLICTING SHORT SUMWAIT NAMES IN LINE nn                                         |
|        | **Explanation:**                                                                    |
|        | The user specified two different 4-character abbreviations for the same summary wait reason; only one is permitted. |
|        | **System action:**                                                                  |
|        | SUMWAIT defaults are put in effect.                                                  |
|        | **User response:**                                                                 |
|        | Correct the error in the SUMWAIT specification.                                     |

| EB764  | INVALID DETAIL WAIT IN SUMWAIT MEMBER IN LINE nn                                   |
|        | **Explanation:**                                                                    |
|        | The detailed wait reason specified as the first string in the summary wait specification is not a valid 3-character wait code. |
|        | **System action:**                                                                  |
|        | SUMWAIT defaults are put in effect.                                                  |
|        | **User response:**                                                                 |
|        | Correct the error in the SUMWAIT specification.                                     |
EB765 • EB902

---

**EB765**  **INVALID DETAIL WAIT IN PRDX MEMBER IN LINE nn**

**Explanation:**
The detailed wait reason specified as the first string in the PRDX wait specification is not a valid 3-character wait code.

**System action:**
PRDX defaults are put in effect.

**User response:**
Correct the error in the PRDX specification.

---

**EB766**  **INVALID PRDX CATEGORY IN LINE nn**

**Explanation:**
Valid PRDX categories are PROD, NPROD, and IDLE. Others are flagged.

**System action:**
PRDX defaults are used.

**User response:**
Correct the error in the PRDX specification.

---

**EB800**  **EXCLUDE INVALID WITH MULTIPLE DATA BASES**

**Explanation:**
EXCLUDE command cannot process EPILOG datastore and Profile datastore data in the same job.

**System action:**
EPILOG terminates the KEBUTIL program.

**User response:**
Check the EXCLUDE commands to insure that they contain only one datastore keyword: either EDS or RKM2PRDS. If no datastore keyword is specified, the default is EDS.

---

**EB802**  **RKM2EDS DDNAME MISSING FOR EXCLUDE EDS**

**Explanation:**
To exclude EPILOG datastore data, the user's job must have an RKM2EDS DD statement with the ddname of the EDS. The job cannot contain a RKM2PRDS DD statement.

**System action:**
EPILOG terminates the KEBUTIL program.

**User response:**
Replace the RKM2PRDS DD statement with an RKM2EDS DD statement that contains the ddname for the EPILOG datastore.

---

**EB900**  **TSO COMMAND SCHEDULING ERROR**

**Explanation:**
A severe error occurred when trying to issue a TSO command.

**System action:**
The request is aborted.

**User response:**
Issue the same command when not using EPILOG. If the problem still occurs, it was not due to EPILOG.

---

**EB901**  **TSO COMMAND ENDED WITH NON-ZERO RETURN CODE = nnn**

**Explanation:**
An unusual condition occurred because of the TSO command.

**System action:**
The command is executed with return code nnn.

**User response:**
Consult the appropriate IBM documentation to determine the reason for the return code.

---

**EB902**  **TSO COMMAND ABENDED xxxxxxxx**

**Explanation:**
A processing error xxxxxxxx occurred because of the TSO command.

**System action:**
The request is aborted.

**User response:**
Consult the appropriate IBM documentation to determine the reason for the return code.

**EB910** INITIALIZATION ABORTED. EPPROD KEYWORD MISSING OR BAD PRODUCT CODE.

**Explanation:**

EPPROD=xx (I2) was not specified or xx is an invalid product code.

**System action:**

Immediate termination.

**User response:**

Report the problem to IBM Software Support.

**EB911** INITIALIZATION ABORTED. PRODUCT VECTOR NOT USABLE REASON CODE= .xx

**Explanation:**

A zero (00) reason code indicates module KEPPVECT returned an invalid product vector address, or the address does not point to a valid product vector. A non-zero reason code indicates that a product component is either missing or invalid. Non-zero reason codes and meanings vary according to which product you are running.

**System action:**

Immediate termination.

**User response:**

Diagnose the problem according to its reason code. A missing or invalid component is usually the result of a missing FMID. Therefore, before calling IBM Software Support, make sure that all DELTAMON and EPILOG FMIDs have been installed (RECEIVed and APPLYed) correctly.

**EB920** OBTAIN IS NOT SUPPORTED UNDER THIS OPERATING SYSTEM

**Explanation:**

The OBTAIN command currently is supported under the VM and MVS systems. An attempt was made to run the program on a system other than VM or MVS.

**System action:**

The OBTAIN command stops processing, and control is returned to the calling program.

**User response:**

Ensure that the proper operating system is running.

**EB921** OPEN FAILURE ON DATASET ddname

**Explanation:**

The OBTAIN command attempted to open a specified dataset and failed.

**System action:**

The OBTAIN command stops processing, and control is returned to the calling program.

**User response:**

Verify that the DCB parameters are specified as follows: DSORG=PS, RECFM=V, LRECL=4096 or DSORG=PS, RECFM=VB, LRECL=4096, BLKSIZE=n, where n is 4100 or greater.

**EB922** ALLOCATION FAILURE ON ddname, CODE: nn

**Explanation:**

The OBTAIN command attempted to allocate a new file and received error code nn.

**System action:**

The OBTAIN command stops processing, and control is returned to the calling program.

**User response:**

Determine the reason for allocation failure by examining the dataset name and the failure code (see the IBM MVS systems programmer’s documentation for more information). Correct the dataset specification, and resubmit the job.

**EB923** WRITE FAILED TO DATASET NAME ddname

**Explanation:**

A write error was received when attempting to write a new record to the output dataset or the message file.

**System action:**

The OBTAIN command stops processing, and control is returned to the calling program.

**User response:**

Determine the reason for the write error. Check that there is enough space on the output dataset, and that sufficient extents are allocated.

**EB924** ILLEGAL COMBINATION OF REPORT NAMES

**Explanation:**

An attempt was made to obtain data from more than one report, and the report names were not from the same report type group.

**System action:**

...
The OBTAIN command returns to process the next command in the input file.

User response:
Correct the combinations of report names being requested, and resubmit the job.

**EB925 • INVALID ELEMENT NAME ccccccccc**

Explanation:
An element name has been specified that is not on the reports requested.

System action:
The issuing program continues.

User response:
Check the element name against the data dictionary for spelling and availability.

**EB926 • SYNTAX ERROR IN INPUT**

Explanation:
An error was encountered in the input command.

System action:
The command is bypassed.

User response:
Check the syntax of the command. There may be additional messages concerning this command.

**EB927 • DDNAME aaaaaaa NOT FOUND. COMMAND NOT EXECUTED.**

Explanation:
A ddname was entered that was not found in the OBTAIN JCL or CLIST.

System action:
Processing continues with the next command.

User response:
Resubmit the command with a ddname found in the JCL or CLIST. Or, revise the JCL or CLIST to include the desired ddname, then resubmit the command.

**EB928 • CURRENTLY USING DATASET aaaa**

Explanation:
A valid DD statement was encountered, and the dataset specified in aaaa is currently being written to.

System action:
Processing continues with the next command.

User response:
None, unless the dataset specified is not as expected. In that case, change the OBTAIN JCL or CLIST to reflect the desired dataset.

**EB929 • OBTAIN nnnnn - nnnnn**

Explanation:
An internal error occurred during OBTAIN processing.

System action:
The OBTAIN command will terminate and control will return to the calling program.

User response:
Contact IBM Software Support Services representative with the information from the error message.

**EB930 • EDS DSN = datasetname**

Explanation:
This message identifies the EDS involved in an error described by a previous message.

System action:
The system action depends on the previous message.

User response:
See the user response for the previous message.

**EB940 • REOPEN ERROR. CONTINUING WITH OLD BUFFER VALUES.**

Explanation:
A REOPEN command was issued with BUFNI and/or BUFND specifications. The operation failed and the original BUFNI/BUFND values were reinstated. A larger region size specification in subsequent reporter sessions will probably allow the increased BUFNI/BUFND specifications.

System action:
The reporter session continues normally.

User response:
None.

**EB945 • DYNAMIC ALLOCATION INFO. RETRIEVAL ERROR CODE = xxxxxxxx**

Explanation:
An error occurred using SVC 99 to obtain dynamic allocation status information. xxxxxxxx is a hexadecimal string containing the SVC 99 return code (first four characters) and error reason code (last four characters). See the IBM MVS systems programmer's documentation for more information.

System action:
The issuing program terminates or attempts to continue without the information.

User response:
Contact IBM Software Support.

EB946  EDS DYNAMIC ALLOCATION FAILED
       CODE = nnnn

Explanation:
An error occurred during an attempt to dynamically allocate an EDS. Nnnn is the SVC 99 error reason code; see the IBM systems programmer’s documentation for more information. If the issuing program supports multiple datastores, this message will be followed by message EB930, which identifies the dataset name of the EDS to which this message applies.

System action:
The issuing program terminates or continues without the EDS.

User response:
In a multiple datastore environment, it may be normal for some of the datastores specified as input parameters to be unavailable. Usually, the EPILOG reporter and collector will continue to run without the unavailable EDS. If the EDS should have been available, determine why it could not be allocated and take appropriate corrective action.

EB947  EDS DYNAMIC DEALLOCATION FAILED CODE = nnnn

Explanation:
An error was encountered during an attempt to dynamically deallocate an EDS. Nnnn is the SVC 99 error reason code; see the IBM system programmer’s documentation for more information. If the issuing program supports multiple datastores, this message will be followed by message EB930, which identifies the dataset name of the EDS to which this message applies.

System action:
The issuing program attempts to continue.

User response:
This message may indicate an internal error. If nnnn does not indicate a problem related to your installation, contact IBM Software Support.

EB991  EDS HAS BECOME UNAVAILABLE, REPORTER ABORTING

Explanation:
The REOPEN command was unable to complete successfully, and the reporter no longer has a valid open EPILOG datastore. (This message is usually accompanied by an EB600, EB650, or EB660 error message.)

System action:
The EPILOG reporter terminates.

User response:
Consult the accompanying error messages for possible responses.

EB997  INCOMPLETE RECORD SET DETECTED

Explanation:
The EPILOG Reporter found a pointer record with no associated data record in the EDS.

System action:
The EPILOG Reporter skips to the next pointer record and continues.

User response:
This may indicate a VSAM problem; contact IBM. Also, contact any third party vendors of VSAM-related software to see if problems have been reported for which a fix is available. Unloading/reloading the EDS with KEBUTIL may resolve the broken EDS record.

EB998  INTERNAL ERROR IN MODULE cccccc CODE = nnnn

Explanation:
An internal error message occurred in the specified module. This is not a user problem.

System action:
The command is bypassed.

User response:
Contact IBM Software Support and report the exact text of the message, including the module and code number and the command that was entered.

EB999  UNABLE TO OPEN MESSAGE DATASET

Explanation:
The message dataset did not open properly in batch mode. Therefore, there is no way for EPILOG to do its logging and error reporting.

System action:
EPILOG does not log or report any information.

User response:
Verify that the start-up JCL is correct and restart EPILOG.
EB9850   VSAM aaaaaaaaaaaaaaaaaaaaaa failed in module bbbbbbb

Explanation:
There is a VSAM access error.

System action:
None.

User response:
Refer to your VSAM documentation. If this does not help, then call IBM Software Support and provide all the information listed in messages EB9850, EB9851, EB9852, EB9853, EB9854, and EB9855.

EB9851   RPL Feedback Code nnn (nnn)

Explanation:
There is a VSAM access error.

System action:
None.

User response:
Refer to your VSAM documentation. If this does not help, then call IBM Software Support and provide all the information listed in messages EB9850, EB9851, EB9852, EB9853, EB9854, and EB9855.

EB9852   Feedback Reason aaaaaaaaaaaaaaaaaaaaa

Explanation:
There is a VSAM access error.

System action:
None.

User response:
Refer to your VSAM documentation. If this does not help, then call IBM Software Support and provide all the information listed in messages EB9850, EB9851, EB9852, EB9853, EB9854, and EB9855.

EB9853   Return Address nnnnnnnn (xxxxxxx + nnnnnn)

Explanation:
There is a VSAM access error.

System action:
None.

User response:
Refer to your VSAM documentation. If this does not help, then call IBM Software Support and provide all the information listed in messages EB9850, EB9851, EB9852, EB9853, EB9854, and EB9855.

EB9854   DDNAME from ACB aaaaaa

Explanation:
There is a VSAM access error.

System action:
None.

User response:
Refer to your VSAM documentation. If this does not help, then call IBM Software Support and provide all the information listed in messages EB9850, EB9851, EB9852, EB9853, EB9854, and EB9855.

EB9855   DSNAME from JFCB aaaaaaaaaaaaa

Explanation:
There is a VSAM access error.

System action:
None.

User response:
Refer to your VSAM documentation. If this does not help, then call IBM Software Support and provide all the information listed in messages EB9850, EB9851, EB9852, EB9853, EB9854, and EB9855.

EC081   RKM2DUMP OPEN FAILURE

Explanation:
The RKM2DUMP DD statement was not present or failed to open properly; RKM2DUMP must be present for the EPILOG collector to start up. (The RKM2DUMP SYSOUT file is used by the EPILOG collector for error diagnostics and only contains output in the event of an ABEND.)

System action:
The collector does not initialize.

User response:
Provide the required DD statement and restart the collector.

EC086   RKANPAR OPEN FAILURE

Explanation:
The RKANPAR DD statement was not present or failed to open properly; KEPOPTN must be present for the EPILOG collector to start up. (The KEPOPTN input file contains the EPILOG collector's initialization options and parameters.)

System action:
The collector will not start up.

User response:
Provide the required DD statement and restart the collector.

**EC091 IDENTIFY ERROR RC = nnn**

**Explanation:**
The EPILOG collector was unable to successfully issue an IDENTIFY for the degradation analysis collection module; the IDENTIFY failed with the return code shown.

**System action:**
The EPILOG collector does not start up.

**User response:**
Refer to the IBM MVS Supervisor documentation for a description of return codes from the IDENTIFY macro. An error from IDENTIFY probably means that KEPCOLL has been incorrectly link-edited. Verify that the last APPLY job that affected this module was effective. If the problem persists, contact IBM Software Support.

**EC092 ATTACH ERROR RC = nnn**

**Explanation:**
The EPILOG collector was unable to successfully ATTACH the degradation analysis collection subtask; the ATTACH failed with the return code shown.

**System action:**
The collector does not start up.

**User response:**
Refer to the IBM MVS Supervisor documentation for a description of return codes from the ATTACH macro. A return code of 8 means there was insufficient virtual memory, in which case the user should increase the region size and try again. Any other return code may indicate an internal software error, in which case the user should contact IBM Software Support.

**EC093 ESTAE CREATION FAILED, RC = nnn**

**Explanation:**
The EPILOG collector was unable to successfully issue an ESTAE to establish error recovery; the ESTAE failed with the return code shown.

**System action:**
The collector does not start up.

**User response:**
Refer to the IBM MVS Supervisor documentation for a description of return codes from the ESTAE macro. A return code of 20 means there was insufficient virtual memory, in which case the user should increase the region size and try again. Any other return code may indicate an internal software error, in which case the user should contact IBM Software Support.

**EC130 INVALID KEYWORD**

**Explanation:**
An unrecognizable keyword parameter has been found on an input command either because it is invalid or because of some prior input error.

**System action:**
The EPILOG collector bypasses the command and continues scanning the statement.

**User response:**
Correct the invalid parameter.

**EC140 DUPLICATE OR CONFLICTING PARAMETER**

**Explanation:**
The parameter indicated is invalid for one of the following reasons: it is not available for the current command, it has already been given, or it conflicts with other parameters already entered.

**System action:**
The EPILOG collector bypasses the command and continues scanning the statement.

**User response:**
Correct the invalid parameter.

**EC150 INVALID COMMAND IDENTIFIER**

**Explanation:**
The command entered is invalid or is not available for the processor being used.

**System action:**
The EPILOG collector bypasses the statement.

**User response:**
Correct the invalid parameter.

**EC200 UNBALANCED QUOTES OR PARENTHESES**

**Explanation:**
Either a string is not quoted properly, that is, it does not lie entirely on one input line or it is missing a beginning or ending quotation mark, or it is missing a left or right parenthesis.

**System action:**
The EPILOG collector bypasses the statement.

**User response:**
Correct the invalid parameter.
EC201  CT/DS DISCONNECT STARTED
Explanation:
When the EPILOG collector terminates or experiences a failure of the persistent datastore, the collector disconnects from the Tivoli Enterprise Monitoring Server. This message indicates that the disconnect is taking place.
System action:
The EPILOG collector is disconnected from the Tivoli Enterprise Monitoring Server.
User response:
If this occurs during collector operation (i.e., not during termination), determine why the data server failure took place.

EC202  EXDC COLLECTION INACTIVE
Explanation:
The EXDC collector in the Tivoli Enterprise Monitoring Server has been found to be inactive.
System action:
The EPILOG collector continues, but cannot collect any data produced by the EXDC component.
User response:
Examine the RKLVLOG of the Tivoli Enterprise Monitoring Server to determine why the EXDC component is not running.

EC203  EXDC COLLECTION STARTED
Explanation:
The EXDC collector in the Tivoli Enterprise Monitoring Server has been started.
System action:
None.
User response:
None. This message is informational only.

EC204  NO CT/DS WLM DATA AVAILABLE THIS INTERVAL
Explanation:
No data was returned by the Tivoli Enterprise Monitoring Server for the current interval.
System action:
None.
User response:
None. This message normally appears immediately after the collector start-up. However, if the message appears at other times, examine the Tivoli Enterprise Monitoring Server RKLVLOG to determine why WLM data is not available.

EC205  CT/DS SWITCHED TO PROXY, RECONNECT SCHEDULED
Explanation:
The Tivoli Enterprise Monitoring Server has become the Sysplex proxy.
System action:
In order to start collecting Sysplex level data, the collector will disconnect and then reconnect to the Tivoli Enterprise Monitoring Server.
User response:
None.

EC206  CT/DS NO LONGER A PROXY, RECONNECT SCHEDULED
Explanation:
The Tivoli Enterprise Monitoring Server has lost Sysplex proxy status.
System action:
In order to stop collecting Sysplex level data, the collector will disconnect and then reconnect to the Tivoli Enterprise Monitoring Server. If a backup Sysplex proxy has been defined, Sysplex level data collection will begin at the new Sysplex proxy location.
User response:
None.

EC211  SWITCH TO GOAL MODE COMPLETED SUCCESSFULLY
Explanation:
The WLM was switched from compatibility mode to goal mode.
System action:
None.
User response:
None. This message is informational only.

EC212  SWITCH TO COMPATIBILITY MODE COMPLETED SUCCESSFULLY
Explanation:
The WLM was switched from goal mode to compatibility mode.
System action:
None.
EC230  INVALID KEYWORD FOR THIS COMMAND
Explanation:
The keyword is not valid with this command.
System action:
The EPILOG collector bypasses the command and continues scanning the statement.
User response:
Correct the invalid keyword.

EC239  IWMRCOLL DATA AREA ALLOCATED
Explanation:
A data area was allocated for IWMRCOLL data calls.
System action:
None.
User response:
None. This message is informational only.

EC240  END OF INPUT, CONTINUATION EXPECTED
Explanation:
The last line entered indicated that there would be more data but no additional data was supplied.
System action:
The EPILOG collector bypasses the statement.
User response:
Supply the additional data or correct the prior statement.

EC241  CT/DS RECONNECT STARTED
Explanation:
When a data server call to the Tivoli Enterprise Monitoring Server fails, the EPILOG collector disconnects from the server, and then periodically attempts to reestablish the connection. This message indicates that a reconnect is being attempted.
System action:
None.
User response:
None. This message is informational only.

EC242  CT/DS RECONNECT NOT SUCCESSFUL
Explanation:
The EPILOG collector was not able to reconnect to the Tivoli Enterprise Monitoring Server.
System action:
None.
User response:
Examine the Tivoli Enterprise Monitoring Server task to determine why the collector is not able to reconnect.

EC243  SERVICE CLASS TABLE INITIALIZATION FAILED
Explanation:
During collector initialization, or after a WLM switch from compatibility mode to goal mode, the EPILOG collector allocates a data area for monitoring service classes. This message indicates that the collector was not able to obtain space for that area.
System action:
The EPILOG collector terminates.
User response:
Restart the collector with a larger region size. If you are using the default size (or larger), contact IBM Software Support.

EC299  UNKNOWN ERROR HAS OCCURRED DURING PARSE
Explanation:
The parse scanner has failed. No reason code was returned.
System action:
The EPILOG collector bypasses the statement.
User response:
Examine the input statement carefully. If the user is unable to detect any errors, contact IBM Software Support.

EC300  PARAMETER NOT NUMERIC
Explanation:
A parameter that is required to be numeric was not.
System action:
The EPILOG collector bypasses the command and continues scanning the statement.
User response:
Correct the invalid parameter.
EC310  INVALID DATE
Explanation:
A date parameter had either an invalid format or was logically incorrect.
System action:
The EPILOG collector bypasses the command and continues scanning the statement.
User response:
Correct the invalid parameter.

EC320  INVALID TIME
Explanation:
A time parameter had either an invalid format or was logically incorrect.
System action:
The EPILOG collector bypasses the command and continues scanning the statement.
User response:
Correct the invalid parameter.

EC330  MISSING WORKLOAD DEFINITION
Explanation:
The user entered a command which required a workload but none was given.
System action:
The EPILOG collector bypasses the previous statement.
User response:
Supply the missing workload type keyword to the command.

EC340  MISSING LAST SUBPARAMETER
Explanation:
The last keyword entered required a subparameter and none was given.
System action:
The EPILOG collector bypasses the previous keyword.
User response:
Supply the missing subparameter.

EC350  MISSING REQUIRED PARAMETER
Explanation:
This command or keyword has a required operand which was not entered.
System action:

EC380  USER OPTIONS PREVENT PERSISTENT DATA COLLECTION
Explanation:
User options request collection of persistent data but suppress the recording of this data.
System action:
If EDS collection was requested, the historical collector attempts to continue; otherwise, the collector terminates. In any event, the collector does not attempt to collect or record Tivoli Enterprise Monitoring Server persistent data.
User response:
Specify either PDSDATA or SMFDATA (or both) in RKANPAR to permit the collector to record persistent data to Tivoli Enterprise Monitoring Server, SMF, or both.

EC381  PATH TO CT/DS NOT AVAILABLE FOR PERSISTENT DATA
Explanation:
The historical collector was unable to create a path to Tivoli Enterprise Monitoring Server for purposes of recording persistent data.
System action:
Persistent data for the current RMF interval is not written to Tivoli Enterprise Monitoring Server. If SMFDATA or SPIILSMFDATA was specified, the data is written to SMF. The historical collector continues executing.
User response:
If Tivoli Enterprise Monitoring Server is not running, start it (the collector will attempt to reconnect for the next RMF interval’s persistent data). If Tivoli Enterprise Monitoring Server is running and the cause and resolution of the problem are not obvious from other collector messages and Tivoli Enterprise Monitoring Server messages, contact IBM Software Support.

EC382  REINITIALIZATION OF CT/PDS INTERFACE FAILED
Explanation:
The historical collector was unable to reinitialize its interface to Tivoli Enterprise Monitoring Server for the purpose of recording persistent data.
System action:
Recording of persistent data to Tivoli Enterprise Monitoring Server is disabled. Persistent data will be written to SMF if SMFDATA or SPILLSMFDATA was specified and the collector cannot reestablish its PDS interface before interval data is ready for recording. The historical collector continues executing.

**User response:**
If Tivoli Enterprise Monitoring Server is not running, start it (the collector will attempt to reconnect for the next RMF interval’s persistent data). If Tivoli Enterprise Monitoring Server is running and the cause and resolution of the problem are not obvious from other collector messages and Tivoli Enterprise Monitoring Server messages, contact IBM Software Support.

---

**EC383**  REQUESTED SWITCH COMPLETED SUCCESSFULLY

**Explanation:**
This informational message confirms the successful completion of an operator-requested switch of media for recording persistent data. The switch is either to SMF or to Tivoli Enterprise Monitoring Server persistent datastore.

**System action:**
The collector continues executing.

**User response:**
None.

---

**EC384**  CT/DS PERSISTENT DATA RECORDING IS ALREADY ACTIVE

**Explanation:**
The historical collector was instructed by operator command to switch to persistent data recording, but persistent data recording is already in progress.

**System action:**
The collector ignores the operator command and continues executing.

**User response:**
None.

---

**EC386**  NOPDSDATA OPTION PREVENTS SWITCH TO PERSISTENT DATA

**Explanation:**
The historical collector was instructed by operator command to switch to persistent data recording, but NOPDSDATA was specified in RKANPAR.

**System action:**
The collector ignores the operator command and continues executing.

**User response:**
If recording of persistent data to SMF is desired, specify SMFDATA or SPILLSMFDATA in the RKANPAR file.

---

**EC387**  CT/DS PATH SUCCESSFULLY CREATED FOR PERSISTENT DATA

**Explanation:**
This is an informational message issued whenever the collector (re)creates its Tivoli Enterprise Monitoring Server path for persistent data. The historical collector successfully created a path to Tivoli Enterprise Monitoring Server for purposes of recording persistent data.

**System action:**
The collector continues.

**User response:**
None.

---

**EC388**  SMF RECORDING OF PERSISTENT DATA IS ALREADY ACTIVE

**Explanation:**
The historical collector was instructed by operator command to switch to SMF recording of persistent data. However, SMF recording of persistent data is already in progress.

**System action:**
The collector ignores the operator command and continues executing.

**User response:**
None.

---

**EC389**  NOSMFDATA OPTION PREVENTS SWITCH TO SMF RECORDING

**Explanation:**
The historical collector was instructed by operator command to switch to SMF recording of persistent data, but NOSMFDATA was specified in RKANPAR.

**System action:**
The collector ignores the operator command and continues executing.

**User response:**
If recording of persistent data to SMF is desired, specify SMFDATA or SPILLSMFDATA in the RKANPAR file.
EC391  NO CT/DS PERSISTENT DATA AVAILABLE THIS INTERVAL

Explanation:
The historical collector did not record any persistent data for the RMF interval that just ended because none was available from Tivoli Enterprise Monitoring Server during the interval. Data was recorded neither to CT/PDS nor to SMF.

System action:
The EPILOG collector continues.

User response:
If you instructed the historical collector to collect some form of persistent data (WLM, XCF, or XES) and you expected that data to be available during the RMF interval in question, this informational message may indicate problems with the Tivoli Enterprise Monitoring Server server task. Examine the Tivoli Enterprise Monitoring Server task's RKLVLOG for messages indicating problems during the RMF interval in question. If you are unable to resolve the problem from information provided by the server task, contact IBM Software Support.

EC392  SPILLING PERSISTENT DATA TO SMF

Explanation:
The EPILOG collector is recording the persistent data for the current RMF interval to SMF because its attempt to record the data to Tivoli Enterprise Monitoring Server failed.

System action:
The collector continues.

User response:
There are various reasons that the collector's attempts to write collected persistent data to Tivoli Enterprise Monitoring Server might fail. The most obvious is that the Tivoli Enterprise Monitoring Server data server task is not running. In this case, the collector will reconnect to Tivoli Enterprise Monitoring Server and resume Tivoli Enterprise Monitoring Server recording when you restart the Tivoli Enterprise Monitoring Server STC. Messages preceding this one in the Input/Error Log may help explain the reasons for the failure. Contact IBM Software Support if you need further assistance.

EC400  INVALID PARAMETER LENGTH OR VALUE

Explanation:
Either the parameter was too long or too short or it had a value outside the required range.

System action:
The EPILOG collector bypasses the command and continues scanning the statement.

User response:
Correct the invalid parameter.

EC410  PARAMETER AT INCORRECT LEVEL

Explanation:
The indicated parameter either was not contained in the correct set of parentheses or the use of parentheses was ambiguous.

System action:
The EPILOG collector bypasses the command and continues scanning the statement.

User response:
Correct the invalid use of parentheses. Make sure all parentheses are matched pairs.

EC501  EPILOG SRB RETRY FAILED

Explanation:
The SRB's function recovery routine (FRR) has failed in its retry attempt.

System action:
The FRR retries again.

User response:
None.

EC520  INVALID DAY VALUE

Explanation:
The parameter is not a valid operand of the DAY keyword.

System action:
The EPILOG collector bypasses the command and continues scanning the statement.

User response:
Correct the invalid parameter.

EC533  KEPDS AVERAGE PAGE FAULT OVERFLOW (#PFLT)

Explanation:
The accumulation of sampled page fault values for Epilog for MVS overflowed during this collection interval.

System action:
The Epilog Collector continues normally but the
average page fault value as reported in the RSRM
Epilog report will be set to the largest possible positive
integer.

User response:
Report this problem to IBM Software Support.

---

**EC534 SQL1 ANC1 INITIALIZATION FAILURE**

**Explanation:**
This message is issued when the collector is unable to
initialize the SQL1 interface to the data server.

**System action:**
Data collection for data that is obtained from the data
server is discontinued.

**User response:**
Report this problem to IBM Software Support.

---

**EC535 SQL1 INITIALIZE FAILURE**

**Explanation:**
This message is issued when the collector is unable to
initialize the SQL1 interface to the data server.

**System action:**
Data collection for data that is obtained from the data
server is discontinued.

**User response:**
Report this problem to IBM Software Support.

---

**EC536 SQL1 CREATE PATH FAILURE**

**Explanation:**
This message is issued when the collector is unable to
establish a connection to the data server.

**System action:**
Data collection for data that is obtained from the data
server is discontinued.

**User response:**
Check to see that the data server is active, and that the
input parms related to the data server connection are
correct (e.g., LOCALID, REMOTEID, etc.). If the data
erver is active, and no input errors are evident, gather
the message log from the data server (RKLVLOG), and
report the problem to IBM Software Support.

---

**EC537 SQL1 STORAGE ALLOCATION FAILURE**

**Explanation:**
This message is issued when the collector is unable to
acquire sufficient storage for the connection to the data
server.

**System action:**
Data collection for data that is obtained from the data
server is discontinued.

**User response:**
Stop and restart the collector with a larger region size.

---

**EC538 SQL1 CREATE PLAN FAILURE**

**Explanation:**
This message is issued when the collector is unable to
initialize the SQL1 interface to the data server.

**System action:**
Data collection for data that is obtained from the data
server is discontinued.

**User response:**
Gather the message log from the data server
(RKLVLOG), and report the problem to IBM Software
Support.

---

**EC539 SQL1 CREATE REQUEST FAILURE**

**Explanation:**
This message is issued when the collector is unable to
initialize the SQL1 interface to the data server.

**System action:**
Data collection for data that is obtained from the data
server is discontinued.

**User response:**
Gather the message log from the data server
(RKLVLOG), and report the problem to IBM Software
Support.

---

**EC540 INVALID SMF RECORD VALUE (MAX=255)**

**Explanation:**
The SMF record number was larger than 255.

**System action:**
The EPILOG collector bypasses the command and
continues scanning the statement.

**User response:**
Correct the invalid parameter.
EC541  SCT STORAGE ALLOCATION FAILURE
Explanation:
This message is issued when the collector is unable to acquire sufficient storage for the Service Class Table.
System action:
Data collection for service classes is discontinued.
User response:
Stop and restart the collector with a larger region size.

EC542  SQL1 REQUEST TABLE INITIALIZATION FAILURE
Explanation:
This message is issued when the collector is unable to initialize the SQL1 Request Table.
System action:
Data collection for data that is obtained from the data server is discontinued.
User response:
Gather the message log from the data server (RKLVLOG), and report the problem to IBM Software Support.

EC545  SQL1 TERMINATE FAILURE
Explanation:
This message is issued when the collector is unable to cleanly terminate the SQL1 interface to the data server.
System action:
Termination processing continues.
User response:
Gather the message log from the data server (RKLVLOG), and report the problem to IBM Software Support.

EC543  SQL1 GET INPUT SQLDA FAILURE
Explanation:
This message is issued when the collector is unable to initialize the SQL1 Request Table.
System action:
Data collection for data that is obtained from the data server is discontinued.
User response:
Gather the message log from the data server (RKLVLOG), and report the problem to IBM Software Support.

EC546  ANC1 TERMINATE FAILURE
Explanation:
This message is issued when the collector is unable to cleanly terminate the SQL1 interface to the data server.
System action:
Termination processing continues.
User response:
Gather the message log from the data server (RKLVLOG), and report the problem to IBM Software Support.

EC547  SQL1 REQUEST NOT FOUND
Explanation:
An internal error has occurred during SQL1 processing.
System action:
Processing continues.
User response:
Report this problem to IBM Software Support.

EC544  SQL1 DROP PATH FAILURE
Explanation:
This message is issued when the collector is unable to cleanly terminate the SQL1 interface to the data server.
System action:
Termination processing continues.
User response:
Gather the message log from the data server (RKLVLOG), and report the problem to IBM Software Support.

EC548  SQL1 OPEN REQUEST FAILURE
Explanation:
An error has occurred in SQL1 processing.
System action:
Processing continues.
User response:
Gather the message log from the data server (RKLVLOG), and report the problem to IBM Software Support.

EC549  SQL1 CLOSE REQUEST FAILURE
Explanation:
An error has occurred in SQL1 processing.
System action:
Processing continues.

**User response:**

Gather the message log from the data server (RKLVLOG), and report the problem to IBM Software Support.

---

**EC551 I/O WAIT TABLE EXTENSION FAILURE**

**Explanation:**

This message is issued when the collector is unable to acquire sufficient storage to extend the I/O Wait Table.

**System action:**

Data collection for service class data is discontinued.

**User response:**

Stop and restart the collector with a larger region size.

---

**EC552 I/O WAIT TABLE EXTENDED**

**Explanation:**

This is an informatory message issued when the I/O Wait table is successfully extended.

**System action:**

Processing continues.

**User response:**

None.

---

**EC553 ENQ WAIT TABLE EXTENSION FAILURE**

**Explanation:**

This message is issued when the collector is unable to acquire sufficient storage to extend the ENQ Wait Table.

**System action:**

Data collection for service class data is discontinued.

**User response:**

Stop and restart the collector with a larger region size.

---

**EC554 ENQ WAIT TABLE EXTENDED**

**Explanation:**

This is an informatory message issued when the ENQ Wait table is successfully extended.

**System action:**

Processing continues.

**User response:**

None.

---

**EC555 EPILOG COLLECTOR SWITCHING TO GOAL MODE**

**Explanation:**

This is an informatory message issued when the collector detects a switch from compatibility to goal mode.

**System action:**

Processing continues.

**User response:**

None.

---

**EC556 EPILOG COLLECTOR SWITCHING TO COMPATIBILITY MODE**

**Explanation:**

This is an informatory message issued when the collector detects a switch from goal to compatibility mode.

**System action:**

Processing continues.

**User response:**

None.

---

**EC557 EPILOG COLLECTOR COMP. MODE INITIALIZATION FAILED**

**Explanation:**

This message is issued when the collector is unable to process a switch from goal to compatibility mode.

**System action:**

The collector terminates.

**User response:**

Report the problem to IBM Software Support.

---

**EC558 EPILOG COLLECTOR GOAL MODE INITIALIZATION FAILED**

**Explanation:**

This message is issued when the collector is unable to process a switch from compatibility to goal mode.

**System action:**

The collector terminates.

**User response:**

Report the problem to IBM Software Support.
**EC559**  REATTACH OF EPILOG COLLECTOR SUBTASK FAILED

**Explanation:**
This message is issued when the collector is unable to process a mode switch.

**System action:**
The collector terminates.

**User response:**
Report the problem to IBM Software Support.

**EC563**  IWMRCOLL DATA AREA REALLOCATED

**Explanation:**
The system has either switched to compatibility mode, or the IPS or ICS has been reset, causing a larger collection area to be required. EPILOG was successful in reallocating the collection area.

**System action:**
A new collection area has been allocated.

**User response:**
None. This is an informational message.

**EC564**  IWMRCOLL DATA AREA REALLOCATION FAILURE

**Explanation:**
The system has either switched to compatibility mode, or the IPS or ICS has been reset, causing a larger collection area to be required. EPILOG was not successful in reallocating the collection area.

**System action:**
Performance group data will not be collected until storage is available. The collector may abend with U518 if it is unable to stop.

**User response:**
If it is important to collect performance group data, stop the collector and restart it. You may need to increase the region size if you have a lot of performance groups defined.

**EC565**  SQL1 INITIALIZATION COMPLETE

**Explanation:**
This is an informatory message issued when the SQL1 interface to the data server is established.

**System action:**
Processing continues.

**User response:**
None.

**EC566**  UNABLE TO INITIALIZE CMS CONNECTION

**Explanation:**
The historical collector encountered an error that prevented it from establishing a connection to the Tivoli Enterprise Monitoring Server.

**System action:**
The historical collector continues without attempting to collect data from the Tivoli Enterprise Monitoring Server. Historical collection will be limited to data that can be obtained without the Tivoli Enterprise Monitoring Server.

**User response:**
Examine the collector's RKM2OUTM message file. It should contain additional messages providing further details about the error. A common cause of this problem is an incorrectly specified REMOTEID or LOCALID on the OPTIONS command in the RKANPAR file. For further assistance, contact IBM Software Support.

**EC568**  FETCH ERROR

**Explanation:**
This message is issued when the collector is unable to perform a fetch from the data server.

**System action:**
Data collection for data that is obtained from the data server is discontinued.

**User response:**
Gather the message log from the data server (RKLVLOG), and report the problem to IBM Software Support.

**EC569**  EPILOG COLLECTOR MODE SWITCH COMPLETE

**Explanation:**
This is an informatory message issued when the collector processes a mode switch.

**System action:**
Processing continues.

**User response:**
None.
**EC571**  CTDS DATA SERVICES  
**DISCONNECTED**

**Explanation:**
This message is issued when a data services error has occurred.

**System action:**
Data collection for data that is obtained from the data server is discontinued.

**User response:**
Gather the message log from the data server (RKLVLOG), and report the problem to IBM Software Support.

---

**EC572**  CTDS DATA SERVICES  
**RECONNECTED**

**Explanation:**
This message is issued after a successful reconnect to the data server.

**System action:**
Data collection for data that is obtained from the data server is restored.

**User response:**
None.

---

**EC581**  CT/DS COLLECTION DISABLED--NO PATH TO SERVER

**Explanation:**
The historical collector cannot collect data dependent upon Tivoli Enterprise Monitoring Server because a path to Tivoli Enterprise Monitoring Server is not available.

**System action:**
The collector continues executing but does not attempt to collect data that requires Tivoli Enterprise Monitoring Server.

**User response:**
If Tivoli Enterprise Monitoring Server is not running, start it (the collector will attempt to reconnect for the next RMF interval’s persistent data). If Tivoli Enterprise Monitoring Server is running and the cause and resolution of the problem are not obvious from other collector messages and Tivoli Enterprise Monitoring Server messages, contact IBM Software Support.

---

**EC582**  CT/DS SAMPLES LOST DUE TO INSUFFICIENT STORAGE

**Explanation:**
The historical collector was unable to allocate enough virtual storage to accommodate all of the data being collected through Tivoli Enterprise Monitoring Server.

**System action:**
The data collected from Tivoli Enterprise Monitoring Server for the current interval will be recorded as usual but will be incomplete.

**User response:**
If possible, increase the amount of extended memory available to the collector.

---

**EC583**  1 PERSISTENT INTERVAL LOST--NO OUTPUT PATH

**Explanation:**
Persistent data for the current interval could not be written to Tivoli Enterprise Monitoring Server because a path to Tivoli Enterprise Monitoring Server was unavailable.

**System action:**
If SMDATA or SPILLSMFDATA was specified, the interval data will be written to SMF. The collector continues executing.

**User response:**
If Tivoli Enterprise Monitoring Server is not running, start it (the collector will attempt to reconnect for the next RMF interval’s persistent data). If Tivoli Enterprise Monitoring Server is running and the cause and resolution of the problem are not obvious from other collector messages and Tivoli Enterprise Monitoring Server messages, contact IBM Software Support.

---

**EC584**  FORCIBLY DETACHING UNENDING SUBTASK CCCCCCCC

**Explanation:**
During termination processing, the historical collector must forcibly DETACH a subtask that had been started to record Tivoli Enterprise Monitoring Server persistent data. The subtask had failed to complete within the time period allotted by the collector.

**System action:**
The collector DETACHes the subtask and continues its termination.

**User response:**
The situation documented by this message may or may not be a problem. If this message is issued routinely during what are otherwise normal collector terminations, contact IBM Software Support.
EC586  CT/DS ERROR ENCOUNTERED BY OUTPUT SUBTASK

Explanation:
A subtask started by the historical collector to record Tivoli Enterprise Monitoring Server persistent data was unable to complete because of a Tivoli Enterprise Monitoring Server interface error.

System action:
If SMFDATA or SPILLSMFDATA was specified, the data for the interval is written to SMF. The collector continues executing.

User response:

EC588  1 PERSISTENT INTERVAL LOST--OUTPUT TASK STILL ACTIVE

Explanation:
The historical collector is unable to record the Tivoli Enterprise Monitoring Server persistent data for an interval because the subtask that was started to record the previous interval's data is still executing.

System action:
If SMFDATA or SPILLSMFDATA was specified, the data for the interval is written to SMF. The collector continues executing.

User response:
This message normally indicates that the collector does not have enough time to write an interval's persistent data to Tivoli Enterprise Monitoring Server before the next interval's data is ready to be written. This can happen if the RMF interval is extremely short and the system overhead is extremely high; in this case, lengthening the RMF interval will resolve the problem. If this message appears routinely in an unconstrained environment, it may indicate an internal error in the subtask that is preventing it from completing. Contact IBM Software Support for assistance if necessary.

EC590  PERSISTENT OUTPUT SUBTASK FAILED, RC = (HEX) XX

Explanation:
A subtask that was started to record Tivoli Enterprise Monitoring Server persistent data failed. XX is a hexadecimal return code from the subtask.

System action:
If SMFDATA or SPILLSMFDATA was specified, the data for the interval is written to SMF. The collector continues executing.

User response:
Contact IBM Software Support.

EC591  CT/DS PD INSERT ERROR, PDS RECORDING STOPPED

Explanation:
This information messages is issued to document that PDS recording has stopped because of a Tivoli Enterprise Monitoring Server error related to PDS maintenance.

System action:
Persistent Datastore (PDS) recording stops, but the historical collector continues to run.

User response:
Examine the Tivoli Enterprise Monitoring Server PDS log (RKPDPOG) for errors related to PDS maintenance. Correct the errors and then restart the monitoring server. If there are no PDS maintenance errors, contact IBM Software Support.

EC592  CT/DS PD INTERFACE WILL BE REINITIALIZED

Explanation:
This information message is issued to document the collector's attempt to recover from a Tivoli Enterprise Monitoring Server interface error. The historical collector will recreate the path to the Tivoli Enterprise Monitoring Server that is used for recording persistent data.

System action:
The collector continues executing.

User response:
None.

EC593  CT/DS PD OUTPUT SUBTASK ATTACH FAILED, CODE=XX

Explanation:
The historical collector attempted to ATTACH a subtask to record Tivoli Enterprise Monitoring Server persistent data, but the ATTACH failed. XX is the return code from the ATTACH SVC.

System action:
Data for the current RMF interval is not written to Tivoli Enterprise Monitoring Server. If SMFDATA or SPILLSMFDATA was specified, the data is written to SMF. The historical collector continues executing.

User response:
If the cause and resolution of the ATTACH failure are
not obvious from other messages, contact IBM Software Support.

EC594 WRITE TO SMF FAILED for Rxxx
   TABLE NO.nn

Explanation:
The EPILOG collector attempted to record persistent data to SMF, but the attempt failed. In the message, nn is a decimal number that uniquely identifies the historical Tivoli Enterprise Monitoring Server table for which data was being written to SMF, while xxx is the name of the EPILOG resource class (such as XES or XCF) that comprises this Tivoli Enterprise Monitoring Server table. This message is always immediately followed by message EC595, which provides further details.

System action:
The collector disregards the error and continues.

User response:
Respond as indicated for message EC595.

EC595 RC FROM SMFWTM = nn

Explanation:
This message identifies the nonzero return code from the SMFWTM service that caused the EPILOG collector to issue the immediately preceding EC594 message.

System action:
The collector disregards the error and continues.

User response:
Return codes from the SMFWTM service are documented in IBM user documentation for SMF. Some of the return codes may indicate a user-specific problem (for example, suppression by a user-written exit routine). If you are unable to resolve the problem after consulting the IBM documentation, contact IBM Software Support.

EC598 FUNCTION=X, RC = (HEX) XX

Explanation:
This message identifies a function code and return code for the error documented in the immediately preceding message.

System action:
Depending upon the severity of the error, the historical collector continues or terminates.

User response:
See the description for the message issued immediately before this one.

EC599 TABLE=XXXX COLUMN=XXXX

Explanation:
This message identifies the names of the Tivoli Enterprise Monitoring server table and column that were being processed when the error specified in the preceding message occurred.

System action:
Depending upon the severity of the error, the historical collector continues or terminates.

User response:
See the description for the message issued immediately before this one.

EC600 RKM2EDS DATASET OPEN ERROR.
   CODE = nnn

Explanation:
The EPILOG datastore RKM2EDS dataset did not open properly. nnn is the feedback code for the operation. Refer to the IBM VSAM programmer's documentation.

System action:
The EPILOG collector terminates.

User response:
Determine how severe the error is and correct the RKM2EDS dataset accordingly.

EC601 RKM2EDS DDNAME MISSING

Explanation:
The RKM2EDS DD statement was not found. The EPILOG collector will not start unless an RKM2EDS DD statement has been defined which points to an EPILOG datastore VSAM cluster.

System action:
The EPILOG collector terminates.

User response:
Add the appropriate DD statement and retry.

EC650 RKM2EDS MODCB/SHOWCB/TESTCB ERROR. CODE=nnn.

Explanation:
A control block manipulation request failed with the indicated return code. nnn is the feedback code for the operation. Refer to the IBM VSAM programmer's documentation.

System action:
The command processing is terminated, and the next command is processed.
User response:
This is an internal software error and not a user problem; contact IBM Software Support.

**EC660**  RK2MEDS DATASET CLOSE ERROR.
**CODE=nnn.**

Explanation:
An error occurred while a CLOSE was issued to the VSAM cluster. nnn is the feedback code for the operation. Refer to the IBM VSAM programmer’s documentation.

System action:
The collector terminates.

User response:
This problem was caused by either an I/O error on the dataset or an internal error within the EPILOG collector. If the error code does not indicate an I/O error, contact IBM Software Support for assistance.

**EC815**  MVS LEVEL INCOMPATIBLE WITH THIS EPILOG COLLECTOR

Explanation:
The EPILOG collector the user is trying to run cannot be used with the level of MVS currently on the user’s system. This message is always followed by EC816.

System action:
The EPILOG collector does not start up.

User response:
Install the proper version of the EPILOG collector from the distribution tape and rerun.

**EC816**  RUNNING xxx EPILOG ON yyy SYSTEM

Explanation:
This message is always preceded by EC815. The user’s system is currently at the yyy level of MVS (where yyy = NSE, SE2, SP3, or XA1) and the user is trying to run a version of the EPILOG collector intended for the level xxx. (Note that SE2 also includes SP1.1x.)

System action:
The EPILOG collector does not start up.

User response:
Install the proper version of the EPILOG collector from the distribution tape and rerun. Refer to this product’s Program Directory for more information.

**EC821**  EDSDATA REQUIRED FOR RMFDATA

Explanation:
During its initialization, the EPILOG collector detected that RMFDATA and NOEDSDATA were both specified on the OPTIONS statement in the KEPOPTN parameter file. This is an error because EDS recording must be active if RMF data is to be collected.

System action:
The collector terminates.

User response:
Correct KEPOPTN. Either change NOEDSDATA to EDSDATA or change RMFDATA to NORMFDATA.

**EC822**  NEITHER EDS NOR SMF RECORDING SELECTED

Explanation:
During its initialization, the EPILOG collector detected that NOEDSDATA and NOSMFDATA were both specified on the OPTIONS statement in the KEPOPTN parameter file. Either EDSDATA or SMFDATA must be specified so that the collector has somewhere to record collected data.

System action:
The collector terminates since it has nothing to write to.

User response:
Correct KEPOPTN. Specify EDSDATA, SMFDATA, or both.

**EC823**  NO EPILOG DATASTORES SPECIFIED

Explanation:
EDSDATA was specified on the OPTIONS statement in the KEPOPTN parameter file but no EPILOG datastores were specified.

System action:
The collector terminates.

User response:
Correct KEPOPTN. Either turn off EDS recording by specifying NOEDSDATA or provide a list of EDS names using the EDSLIST keyword.

**EC824**  NOT EVERY EDS HAS THE SAME RECORD SIZE

Explanation:
During its initialization, the EPILOG collector determined that not all of the EPILOG datastores specified in KEPOPTN have the same VSAM maximum record size.

System action:
The collector terminates.

User response:
Ensure that every EDS specified by the EDSLIST keyword of the OPTIONS statement has the same VSAM maximum record size. This will require changing KEPOPTN and/or redefining and reinitializing one or more datastores.

**EC825  EPILOGC IS NOT APF AUTHORIZED**

**Explanation:**
The user requested that the EPILOG collector perform some function that requires APF authorization (such as write to SMF, gather RMF data, gather batch job data), but the collector was not authorized. The EPILOG collector is either not being loaded from an authorized library or the load module does not have the APF-authorized attribute.

**System action:**
The collector does not start up.

**User response:**
APF-authorize the KEPCOLL program. Make sure that the load library that contains KEPCOLL is APF authorized and that KEPCOLL has been marked AC=1 by the linkage editor. (A library is authorized by virtue of being in the IEAAPFx list in SYS1.PARMLIB. Remember that an IPL is required after a dataset has been added to the list.)

**EC826  NO EDS IS AVAILABLE**

**Explanation:**
EDSDATA was specified in the KEPOPTN input parameter file, but no EDS was available for collection at the time that the EPILOG collector was started.

**System action:**
The collector terminates.

**User response:**
The collector requires that at least one of the datastores in the EDS queue be available at initialization if EDS recording is requested; therefore, make available at least the EDS to which collection should start. Check the Input/Error Message Log for more information in identifying the reasons for datastore unavailability. Some common reasons are:

**EC828  ERROR DURING COLLECTOR INITIALIZATION**

**Explanation:**
An unexpected internal error occurred during EPILOG collector initialization.

**System action:**
The collector does not start.

**User response:**
This is an internal software error and not a user problem; contact IBM Software Support.

**EC830  NON-COMPATIBLE COLLECTION ALREADY ACTIVE**

**Explanation:**
Another EPILOG collector is already active in this system. Only one EPILOG collector is allowed to be active in the system at any given time.

**System action:**
The collector does not start.

**User response:**
Stop the current collector using the P OMIIHIST command from an OS console.

**EC831  SMF RECORD ALREADY BEING COLLECTED**

**Explanation:**
Another active EPILOG collector is already writing SMF records with the ID number the user has specified; there can only be one EPILOG collector running per SMF record ID number.

**System action:**
The collector does not start.

**User response:**
Stop the current collector using the P OMIIHIST command from an OS console, or select a different SMF record ID number with OPTIONS SMFNUM(nn).

**EC832  JES2 OFFSET TABLE NOT FOUND**

**Explanation:**
The appropriate JES2 offset table was not found by the collector.

**System action:**
Collector initialization fails.

**User response:**
Replace the appropriate JES2 offset table into the load module. See this product’s OMEGAMON II for MVS Configuration and Customization Guide for information about reassembling the JES2 offset table.

**EC833  JES2 OFFSET TABLE HAS INCORRECT FORMAT**

**Explanation:**
The JES2 offset table had an invalid internal format.
EC834 • EC844

EC834  JES2 OFFSET TABLE INITIALIZATION FAILED

Explanation:
The EPILOG collector's JES2 table processor failed while attempting to read the JES2 offset table.

System action:
Collector initialization fails.

User response:
See this product's OMEGAMON II for MVS Configuration and Customization Guide for information about reassembling the JES2 offset table.

EC839  INPUT PARAMETERS INVALID: CORRECT AND RERUN

Explanation:
The EPILOG collector discovered some invalid or inconsistent parameters in the KEPOPTN parm dataset.

System action:
The collector does not start.

User response:
Refer to the RKM2OUTM output for additional messages which will provide details concerning the error.

EC840  SMF INITIALIZATION FAILED, REASON CODE = nn

Explanation:
An internal processing error occurred during collector initialization. This message can also occur if the operator used the CANCEL command instead of the STOP command to terminate the collector, which can corrupt the write-to-SMF interface.

System action:
Collector initialization fails.

User response:
Contact IBM Software Support and report the reason code. If the EPILOG collector was terminated with the CANCEL command instead of the STOP command, you must re-IPL the system.

EC841  SMF INITIALIZATION ERROR, REASON CODE = nn

Explanation:
An internal processing error occurred during collector initialization. If you receive reason code 32, a CSA shortage may have occurred.

System action:
Collector initialization fails.

User response:
Contact IBM Software Support and report the error code. If you receive reason code 32, you must re-IPL or free up CSA.

EC842  UNABLE TO SHARE COLLECTOR, LRECL MISMATCH

Explanation:
While trying to start up, the EPILOG collector found that another EPILOG collector was already gathering resource data and tried to share the other collector's SMF interface. This would have worked except that the two collectors were each using an EDS with a different LRECL. Because certain buffers in CSA would be shared, the LRECLs must match.

System action:
The collector the user is trying to start does not come up.

User response:
Stop the collector which is currently executing before starting a new one. The user could also re-define the clusters so that the LRECLs were the same.

EC843  SMF INITIALIZATION ABENDED, ABEND CODE = nn

Explanation:
An internal processing error occurred during collector initialization.

System action:
Collector initialization fails. Diagnostic information about the ABEND is provided in message EC844, which is also issued.

User response:
Contact IBM Software Support and report the ABEND code and the return value of register 1.

EC844  REGISTER 1 RETURN VALUE = xxxxxxxx.

Explanation:
This value is the CSA address of the EPILOG hook.

**System action:**
None

**User response:**
None

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**EC845**  
SMF TERMINATION ENDED,  
REASON nn

**Explanation:**
EPILOG can issue this message at either start-up or termination. Reason code nn indicates why EPILOG did not delete its SMF hook. Message EC845 precedes message EC844.

**System action:**
EPILOG start-up or termination processing continues.

**User response:**
If the reason code is 20, you need take no action. Reason code 20 indicates that EPILOG has not deleted its SMF hook because another address space is still using it (possibly another EPILOG collector).

If the reason code is not 20, or if you believe that EPILOG has issued reason code 20 erroneously, contact IBM Software Support.

---

**EC850**  
INVALID PARAMETER LIST,  
INTERNAL ERROR

**Explanation:**
An internal collector parameter list contained invalid or inconsistent data.

**System action:**
The collector terminates.

**User response:**
This is an internal software error and not a user problem; contact IBM Software Support.

---

**EC851**  
UNABLE TO LOCATE COLLECT CODE IN TABLE

**Explanation:**
During termination, the EPILOG collector was unable to find a table entry describing the SMF record interception routine and data areas which were previously created.

**System action:**
The collector terminates; workareas in CSA will not be freed.

**User response:**
This is an internal software error and not a user problem; contact IBM Software Support.

---

**EC852**  
INVALID RETURN CODE, INTERNAL ERROR

**Explanation:**
An invalid return code was returned from one of the EPILOG collector's internal subroutines.

**System action:**
The collector terminates.

**User response:**
This is an internal software error and not a user problem; contact IBM Software Support.

---

**EC853**  
P EPILOGC ACTIVE EDS = eds-dsname

**Explanation:**
The EPILOG collector issues this message during initialization and after a successful EDS switch to identify the EDS to which collection is currently in progress.

**System action:**
The collector continues normally.

**User response:**
None.

---

**EC854**  
P EPILOGC EDS RECORDING INACTIVE

**Explanation:**
No data is being written to any EDS because NOEDSDATA was specified in KEPOPTN.

**System action:**
The collector continues initialization.

**User response:**
None.

---

**EC855**  
P EPILOGC EDS RECORDING SUSPENDED

**Explanation:**
The EPILOG collector is no longer writing collected data to EPILOG datastores because none of the datastores in its EDS queue are available for collection.

**System action:**
The collector continues or terminates depending upon the status of SMF recording. If the collector continues, operator intervention will be required to resume EDS recording.

**User response:**
Make an EDS available for collection on the basis of preceding messages. Once an EDS is available, restart the collector (if it terminated) or use the MVS MODIFY command to resume EDS recording to the available EDS.

**EC856 EPILOGC SMF RECORDING IN PROGRESS**

**Explanation:**
The EPILOG collector issues this message during initialization and after an EDS switch to confirm that data is being written to SMF.

**System action:**
The collector continues normally.

**User response:**
None.

**EC857 EPILOGC SMF RECORDING IN PROGRESS (SPILL)**

**Explanation:**
Collected data is being written to SMF because EDS recording has been suspended. This message is issued by the EPILOG collector after a switch to SMF-only recording.

**System action:**
The collector continues normally.

**User response:**
Make an EDS available for collection, then use the MVS MODIFY command to resume EDS recording and suspend SMF recording. After EDS recording has been resumed, you should arrange to reload the missing data from SMF into an EDS.

**EC858 EPILOGC SMF RECORDING INACTIVE**

**Explanation:**
The EPILOG collector issues this message during initialization and after an EDS switch to confirm that data is not being written to SMF because NOSMFDATA was specified in KEPOPTN.

**System action:**
The collector continues normally.

**User response:**
None.

**EC859 EPILOGC SMF RECORDING SUSPENDED**

**Explanation:**
The EPILOG collector issues this message during initialization and after an EDS switch to confirm that data is not currently being written to SMF because SPILLSMFDATA was specified in KEPOPTN and an EDS is currently active.

**System action:**
The collector continues normally.

**User response:**
None.

**EC860 GETMAIN FAILED FOR SRB AREA**

**Explanation:**
SQA memory is full; the EPILOG collector was unable to get enough memory in SQA to establish a data area when trying to initialize batch data collection.

**System action:**
The collector terminates.

**User response:**
Increase the amount of SQA defined in the user's system or try again later.

**EC861 LESS THAN OPTIMAL SQA ALLOCATED**

**System action:**
None. EPILOG for IMS may not be able to collect data on all address spaces.

**User response:**
Check RKM2OUTM for occurrences of message EC863. If EC863 is occurring, SQAMAX must be increased.

**EC862 NO SQA ALLOCATED. AS COLLECTION DISABLED.**

**System action:**
No data will be collected for batch jobs, started tasks, or TSO userids on an address space basis.

**User response:**
Increase SQAMAX to at least 2K.

**EC863 NO PRIVATE AREA INFORMATION FOR jjjjjjjj**

**System action:**
No record is being written for the job, STC, or user that
is identified by \textit{jjjjjjj} even though a step has completed or an interval has ended.

\textbf{User response:}
If SQAMAX is less than this minimum, message EC861 is written to RKM2OUTM. If SQAMAX is set so low that EPILOG will not be able to get all the data it needs, message EC862 is written to RKM2OUTM. Message EC863 is written to RKM2OUTM whenever EPILOG is unable to write a data record due to missing data that SQA is needed to collect.

\textbf{EC865  \textit{MODIFY COMMAND PARAMETERS}}

\textbf{Explanation:}
An operator MODIFY command was issued at a console to communicate with the EPILOG collector. The text of this message shows the parameters specified on the command (up to 67 characters).

\textbf{System action:}
The collector continues.

\textbf{User response:}
None.

\textbf{EC870  \textit{TIMEOUT WAITING FOR SUBTASK, DETACH ISSUED}}

\textbf{Explanation:}
During shutdown, the collector's main task signaled the degradation analysis subtask to terminate, and the subtask has not responded within 5 minutes. The subtask may have been hung in VSAM catalog processing while trying to CLOSE the EPILOG datastore. (For example, the catalog volume may have been locked out by a RESERVE from another system.)

\textbf{System action:}
After waiting 5 minutes with no response, the main task will destroy the subtask by forcibly DETACHing it. Collector termination continues.

\textbf{User response:}
No user action required. If the problem persists, contact IBM Software Support.

\textbf{EC871  \textit{EPILOGC ON xxxx ABENDING AT OPERATOR REQUEST}}

\textbf{Explanation:}
The EPILOG collector has abnormally terminated in response to an operator MODIFY OMIIHIST,ABEND command. xxxx is the SMF ID of the system on which the collector is running.

\textbf{System action:}
The collector ABENDs as requested.

\textbf{User response:}
Proceed with error diagnosis.

\textbf{EC873  \textit{EPILOGC UNABLE TO CONTINUE - NOTHING TO WRITE TO}}

\textbf{Explanation:}
The EPILOG collector could not continue collection because no EDS was available, and SMF recording was prohibited by KEPOPTN.

\textbf{System action:}
The collector terminates.

\textbf{User response:}
This message usually indicates that the collector was unable to switch to the next EDS because no EDS was available and was also unable to switch to SMF-only recording because NOSMFDATA was specified in KEPOPTN. In this case, follow these steps:
1. Make available at least the EDS to which collection is to be resumed (see message EC826).
2. Change KEPOPTN to specify either SMFDATA or SPILLSMFDATA (this prevents the collector from terminating when no EDS is available).
3. Restart the collector.

This message may also be issued during collector initialization if NOEDSDATA was specified in KEPOPTN together with either NOSMFDATA or SPILLSMFDATA. In this case, follow these steps:
1. Change KEPOPTN to specify either EDSDATA or SMFDATA, or both (note that when EDSDATA is specified, EDSLIST should also be specified).
2. Restart the collector.

\textbf{EC874  \textit{EPILOGC COLLECTOR ON xxxx TERMINATED DUE TO ERROR}}

\textbf{Explanation:}
The EPILOG collector has stopped because fatal errors were encountered. xxxx is the SMF ID of the system on which the collector was running. This message is normally preceded by more descriptive messages that identify the specific errors.

\textbf{System action:}
The collector terminates.

\textbf{User response:}
Examine the Input/Error Message Log and take the action prescribed for the immediately preceding messages. Retain the Log in the event that you must contact IBM Software Support for details.
**EC875 • EC882**

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**EC875**  **COLLECTION SUBTSKk ABENDED**

Explanation:
The bottleneck analysis collector ended with an $xxx$ (for system) or $Uxxx$ ABEND.

System action:
The collector terminates after dumping diagnostic information to the RKM2DUMP SYSOUT file.

User response:
Gather up problem diagnostics (RKM2OUTM, RKM2DUMP, SYSABEND, console logs, and so on) and contact IBM Software Support.

---

**EC876**  **COLLECTION MAIN TASK ABENDED**

Explanation:
The collector main task ended with an $Sxxx$ (for system) or $Uxxx$ (for user) ABEND.

System action:
The collector terminates after dumping diagnostic information to the RKM2DUMP SYSOUT file.

User response:
Gather up problem diagnostics (RKM2OUTM, RKM2DUMP, SYSABEND, console logs, and so on) and contact IBM Software Support.

---

**EC877**  **EPILOGC COLLECTOR STARTED ON $xxx$**

Explanation:
The EPILOG collector has successfully initialized and data collection has begun. $xxx$ is the SMF ID of the system on which the collector is running.

System action:
Collector execution continues.

User response:
None.

---

**EC878**  **EPILOGC COLLECTOR ON $xxx$ HAS TERMINATED NORMALLY**

Explanation:
The EPILOG collector has successfully terminated in response to an operator STOP command. $xxx$ is the SMF ID of the system on which the collector is running.

System action:
The collector terminates.

User response:
None.

---

**EC880**  **EPILOGC ON $xxx$ TERMINATING AT OPERATOR REQUEST**

Explanation:
The EPILOG collector has been ordered to terminate by an MVS STOP command entered at an operator console. $xxx$ is the SMF ID of the system on which the collector is running.

System action:
The collector terminates.

User response:
None.

---

**EC881**  **USER ACCOUNTING INTERFACE LOADED**

Explanation:
The user-written EPUSRACT account field extraction exit has been successfully loaded.

System action:
Collector execution continues.

User response:
None.

---

**EC882**  **BATCH TABLE OVERFLOW - DATA LOST**

Explanation:
The EPILOG collector could not collect degradation data for all active batch jobs because the BATCHNUM parameter was set to less than the total number of active initiators.

System action:
The collector does not record degradation data for all batch job steps; data on some job steps will be lost.
Use the BATCHNUM keyword of the OPTIONS command in the KEPOPTN initialization parameter member to increase the maximum number of concurrently active batch jobs.

**EC883  EPILOGC COMMAND SYNTAX INVALID**

**Explanation:**
An MVS MODIFY command entered at an operator console to communicate with the EPILOG collector contained invalid syntax.

**System action:**
The collector continues normally.

**User response:**
Re-enter the MODIFY command correctly.

**EC884  EPILOGC COMMAND PARAMETERS MISSING/INVALID**

**Explanation:**
An MVS MODIFY command entered at an operator console to communicate with the EPILOG collector contained invalid parameters or omitted required parameters.

**System action:**
The collector continues normally.

**User response:**
Re-enter the MODIFY command correctly.

**EC885  EPRMFC PROGRAM CHECK RETRY SUCCESSFUL**

**Explanation:**
The collector’s front end to the IEFU83 SMF exit routine encountered a program check and successfully recovered.

**System action:**
Collector execution continues.

**User response:**
If five program checks are encountered, the IEFU83 exit disables itself (see EC886); otherwise, no action is required. If this message occurs, contact IBM Software Support.

**EC886  PGM CHECK LIMIT EXCEEDED - EPRMFC DISABLED**

**Explanation:**
The collector’s front end to the IEFU83 SMF exit routine encountered five program checks and successfully recovered.

**System action:**
The IEFU83 exit routine seems to be program checking excessively. Collector execution continues, but all further RMF data collection will be disabled.

**User response:**
If five program checks are encountered, the IEFU83 exit disables itself (see EC885). If this message occurs, contact IBM Software Support.

**EC887  COLLECTOR MONITORING DEVICES DEFINED AS DYNAMIC**

**Explanation:**
This informational message, after initialization or an I/O configuration change, indicates that the OMEGAMON subsystem is monitoring dynamic I/O devices.

**System action:**
Collector execution continues normally.

**User response:**
None.

**EC888  WARNING: POINTER DATA LOST DUE TO VSAM ERROR**

**Explanation:**
The active EDS ran out of space before all of the workload or resource data for the current reporting interval had been written. The collector unsuccessfully attempted to remove the incomplete set of records from the EDS so that they could be rewritten to the next EDS. Messages EC895 and EC896 should precede this message.

**System action:**
The collector continues, provided that an EDS is available or SMF recording is allowed. However, to avoid duplicate records on different datastores, no attempt is made to rewrite the affected workload or resource data for this interval to the next EDS. Therefore, one interval’s data for a particular resource or workload is probably inaccessible for reporting purposes.

**User response:**
The collector should recover fully from this situation and resume normal collection. In addition to the unavailability of an interval’s data for reporting, there may be other problems associated with the EDS that suffered the error. Check the preceding messages (EC895 and EC896) and respond accordingly. If you are unable to resolve this problem from the information available and/or you suspect an internal error, forward
EC899 • EC895

EC899  CLEANUP SUCCESSFUL. RECORDS ERASED = nn

Explanation:
The active EDS ran out of space before all of the
workload or resource data for the current reporting
interval had been written, but the collector successfully
removed the incomplete set of records from the EDS.
nn is the decimal number of records erased from the
EDS.

System action:
The collector continues normally, provided that an EDS
is available or SMF recording is allowed. The affected
workload or resource data for this reporting interval is
rewritten to the next EDS and/or SMF.

User response:
None.

EC890  CLEANUP ABORTED. RECORDS ERASED = nn

Explanation:
The collector abandoned its attempt to remove an
incomplete set of records from the EDS that ran out of
space. nn is the decimal number of records that were
erased from the EDS before a VSAM ERASE error was
encountered. This message normally follows EC888.

System action:
The collector continues normally, as long as an EDS is
available or SMF recording is allowed.

User response:
See message EC888.

EC891  EPILOG COLLECTOR DETECTED I/O CONFIGURATION CHANGE

Explanation:
This informational message indicates an I/O
configuration change that includes I/O devices
monitored by the OMEGAMON Subsystem.

System action:
Collector execution continues normally.

User response:
None.

EC892  EPILOGC STATUS FOR xxxx:

Explanation:
The EPILOG collector issues this message during
initialization, after an EDS switch, and in response to a
request for status using the MVS MODIFY command.
xxxx is the SMF ID of the system on which the collector
is running.

System action:
The collector continues normally.

User response:
None.

EC893  EPILOGC HELP DISPLAY

Explanation:
The EPILOG collector issues this message in response
to a request for help using the MVS MODIFY
command.

System action:
The collector continues normally.

User response:
None.

EC894  COLLECTION NOT BASED ON LATEST I/O CONFIGURATION

Explanation:
An I/O configuration change may have occurred, but
the OMEGAMON Subsystem is not running, so
information about the changed device is not available.

System action:
The collector continues normally.

User response:
If dynamic reconfiguration is being done, then start the
OMEGAMON Subsystem. If not, then this message can
be ignored.

EC895  VSAM ERROR IN EDS: OPERATION = aaaaaa bbbbbb

Explanation:
An error occurred during the EPILOG collector’s
attempt to use an EPILOG datastore. aaaaaa indicates
the failing VSAM operation (GET, PUT, MODCB, and
so on) and bbbbbb indicates the type of EPILOG record
involved (DATA or POINTER). This message is always
followed by EC896.

System action:
The collector continues or terminates, depending upon
the severity of the error and the availability of other recording media.

User response:
See message EC896.

---

EC896  VSAM ERROR IN EDS: RC =nnn
      FNCN =nnn FDBK =nnn

Explanation:
An error occurred during the EPILOG collector's attempt to use an EPILOG datastore. The three values of nnn represent the VSAM return, function, and feedback codes from the failing operation, respectively. This message is always preceded by message EC895, which identifies the failing VSAM operation and the EPILOG record type.

System action:
The collector continues or terminates, depending upon the severity of the error and the availability of other recording media.

User response:
Consult appropriate IBM VSAM reference documentation to determine the cause and severity of the error and take appropriate corrective action. If you are unable to fix the problem, call IBM Software Support.

---

EC916  INVALID EDS SEQUENCE NUMBER SPECIFIED

Explanation:
An MVS MODIFY command entered at an operator console specified an invalid EDS sequence number.

System action:
The collector continues normally.

User response:
If necessary, request a status display using the MODIFY command to display the EDS sequence numbers. Then re-enter the original command specifying the correct EDS sequence number.
EC917 • EC924

EC917  SPECIFIED EDS IS ALREADY IN QUEUE

Explanation:
An MVS MODIFY command entered at an operator console specified that a new EDS should be added to the EPILOG collector's EDS queue, but the dataset name specified is already in the queue.

System action:
The collector ignores the request and continues normally.

User response:
To activate EDS recording, stop the collector and change KEPOPTN to specify EDSDATA and EDSLIST. Then restart the collector.

EC918  THE ACTIVE EDS CANNOT BE DROPPED

Explanation:
An MVS MODIFY command entered at an operator console specified that the currently-active EDS should be dropped. An EDS cannot be dropped while it is active.

System action:
The collector ignores the request and continues normally.

User response:
Reissue the command, specifying an EDS that is not active.

EC920  EPILOGC CANNOT HONOR REQUEST FOR SWITCH

Explanation:
An MVS MODIFY command entered at an operator console specified that the EPILOG collector should switch to another EDS or to SMF, but the collector could not honor the request. The reason that the request was not honored is given in subsequent messages.

System action:
The collector ignores the request and continues normally.

User response:
Examine the subsequent messages issued by the collector and take appropriate action.

EC921  EDS RECORDING DISALLOWED BY RKANPAR

Explanation:
An MVS MODIFY command entered at an operator console specified that the EPILOG collector should switch to EDS recording, but NOEDSDATA was specified in the KEPOPTN parameter file.

System action:
The EPILOG collector could not switch to SMF-only recording because NOSMFDATA was specified on the OPTIONS command in the KEPOPTN input parameter file.

User response:
If this message is issued in response to an operator-requested switch to SMF, the collector ignores
the request and continues. Otherwise, the collector terminates because SMF recording is prohibited and no EDS is available for collection.

**User response:**

To permit SMF recording, stop the collector and change KEPOPTN to specify SMFDATA or SPILLSMFDATA. Then restart the collector. If necessary, arrange to make at least one EDS available for collection prior to restarting the collector.

---

**EC926 EDS SPECIFIED IS SWITCHED**

**Explanation:**

An MVS MODIFY command entered at an operator console specified that the EPILOG collector should switch to an EDS that is not available for collection because it is SWITCHED.

**System action:**

The collector ignores the request and continues normally.

**User response:**

Maintain the EDS and retry the command or re-enter the command specifying a different, available EDS.

---

**EC927 EDS SPECIFIED IS INVALID**

**Explanation:**

An MVS MODIFY command entered at an operator console specified that the EPILOG collector should switch to a dataset that is not a valid EDS.

**System action:**

The collector ignores the request and continues normally.

**User response:**

Re-enter the MODIFY command, specifying a valid, available EDS. The invalid EDS should either be dropped from the EDS queue or redefined and initialized as a valid EDS.

---

**EC928 EDS SPECIFIED HAS INCOMPATIBLE LRECL**

**Explanation:**

An MVS MODIFY command entered at an operator console specified that the EPILOG collector should switch to an EDS whose VSAM maximum record size is different from that of the original datastores in the EDS queue.

**System action:**

The collector ignores the request and continues normally.

**User response:**

Re-enter the MODIFY command, specifying a valid, available EDS. The invalid EDS should either be dropped from the EDS queue or redefined with the same VSAM maximum record size as that of the original EDSLIST.

---

**EC929 EDS SPECIFIED CONTAINS DATA FROM ANOTHER SYSTEM**

**Explanation:**

An MVS MODIFY command entered at an operator console specified that the EPILOG collector should switch to an EDS that already contains another system's data, but SYSCHECK was specified in KEPOPTN.

**System action:**

The collector ignores the request and continues normally.

**User response:**

Re-enter the MODIFY command, specifying a valid, available EDS. The EDS containing another system's data should either be maintained or dropped from the EDS queue. Alternatively, to permit the collector to write to such an EDS, stop the collector and change KEPOPTN to specify NOSYSCHECK, then restart the collector.

---

**EC930 EDS SPECIFIED CANNOT BE ALLOCATED**

**Explanation:**

An MVS MODIFY command entered at an operator console specified that the EPILOG collector should switch to another EDS, but the collector was unable to allocate the EDS.

**System action:**

The collector ignores the request and continues normally.

**User response:**

Determine the reason that the EDS could not be allocated and take appropriate action to make it available. Alternatively, re-enter the command, specifying a different, available EDS.

---

**EC931 EDS SPECIFIED CANNOT BE OPENED**

**Explanation:**

An MVS MODIFY command entered at an operator console specified that the EPILOG collector should switch to another EDS, but the collector was unable to open the EDS.

**System action:**

The collector ignores the request and continues normally.

**User response:**

The collector ignores the request and continues normally.
Determine the reason that the EDS could not be opened and take appropriate action to make it available. Alternatively, re-enter the command, specifying a different, available EDS.

**EC934 EPILOGC MANUAL SWITCH TO SMF COMPLETED ON xxxx**

**Explanation:**
The EPILOG collector completed an operator-requested switch to SMF-only recording. xxxx is the SMF ID of the system on which the collector is running.

**System action:**
The collector continues normally.

**User response:**
None.

**EC935 EPILOGC ON xxxx STARTING SWITCH TO NEXT EDS**

**Explanation:**
The EPILOG collector has initiated a switch to the next available EDS in the queue (either at operator request or because the active EDS ran out of space). xxxx is the SMF ID of the system on which the collector is running.

**System action:**
The collector continues normally.

**User response:**
None.

**EC936 WARNING: EPILOGC SKIPPING UNUSABLE EDS**

**Explanation:**
During a switch to the next available EDS, the EPILOG collector skipped an EDS because it was not available for collection.

**System action:**
The collector continues searching the queue for an available EDS. If one is found, the collector starts writing to it; if none is found, the collector terminates or starts SMF-only recording, depending upon the parameters specified in KEPOPTN.

**User response:**
Make the skipped EDS available for collection. The collector status display, obtained by issuing an operator MODIFY command, will identify the reason that the EDS was unusable. This exception condition may result in disruption of the normal sequence of automatic EDS selection; to restore the normal sequence, you may need to temporarily stop EDS recording by stopping the collector or manually switching to SMF-only recording. See EC943 for additional details.

**EC937 EPILOGC SWITCHING TO SMF-ONLY RECORDING**

**Explanation:**
The EPILOG collector suspended EDS recording because no EDS is available for collection.

**System action:**
The collector continues writing to SMF.

**User response:**
Make at least one datastore available to the collector, then use the MODIFY command to resume EDS recording. The Input/Error Message Log and/or the collector status display provides additional information identifying the reasons for EDS unavailability. After resuming EDS recording, you may arrange for reloading of the missing data from the SMF datasets to an appropriate EDS.

**EC938 EPILOGC AUTOMATIC EDS SWITCH COMPLETED ON xxxx**

**Explanation:**
The EPILOG collector completed an automatic switch from a full EDS to a subsequent EDS in the queue or to SMF-only recording (if no other EDS was available and SMF recording is permitted). xxxx is the SMF ID of the system on which the collector is running.

**System action:**
The collector continues normally.

**User response:**
None.

**EC939 EPILOGC MANUAL EDS SWITCH COMPLETED ON xxxx**

**Explanation:**
The EPILOG collector completed an operator-requested switch to another EDS. xxxx is the SMF ID of the system on which the collector is running.

**System action:**
The collector continues normally.

**User response:**
None.
EC940 WARNING: EDS SWITCHED DUE TO OLD DATA

Explanation:
During an automatic EDS switch triggered by a change of month, week or day, the EPILOG collector detected that an available EDS contained collected data for a previous month, week or day. The collector changed the collection status of the EDS from AVAILABLE to SWITCHED, making it unavailable for collection until maintained. This message will be followed by message EB930, which identifies the EDS dataset name. This condition can occur only when switching by month, week or day has been specified in KEPOPTN using the EDSSWITCH keyword of the OPTIONS statement; monthly, weekly and daily switching implies isolation of EDS data by time period, which prevents the recording of data to an EDS which already contains data for a previous time period.

System action:
The collector continues normally.

User response:
Maintain the EDS to make it available for collection.

EC941 WARNING: NEXT EDS IS NOT AVAILABLE

Explanation:
The EDS that follows the active EDS in the queue is not currently available for collection. The EPILOG collector issues this message at the conclusion of an EDS switch and in conjunction with warnings about EDS space utilization (see EC899).

System action:
The collector continues normally.

User response:
This message is a warning that the EDS following the currently-active EDS must be maintained before the next EDS switch occurs so that the collector will be able to switch to it. It may signal that EDS maintenance procedures were unsuccessful. If appropriate, check the results of the last-started maintenance job/task. This message should be interpreted in the context of concurrent events and messages but usually implies that manual intervention is required to make an EDS available to the collector.

EC942 WARNING: MAINTPROC NOT STARTED

Explanation:
The EPILOG collector completed an EDS switch, but did not start the EDS maintenance procedure specified in KEPOPTN because of exceptional circumstances.

System action:
The collector continues normally.

User response:
A subsequent message will identify the reason that the collector failed to initiate automatic maintenance. Manually-initiated EDS maintenance is usually required.

EC943 ACTIVE EDS WAS SELECTED OUT-OF-ORDER

Explanation:
The EPILOG collector attempted to switch to the next EDS but it was not available. It switched instead to a subsequent available EDS in the queue.

System action:
The collector bypasses automatic EDS maintenance and continues.

User response:
Although the collector switched to the first available EDS that it found to avoid interrupting data collection, the normal sequence of automatic EDS selection has been disrupted. In this situation, the collector bypasses automatic EDS maintenance (does not start the user-specified maintenance PROC) to avoid prematurely destroying or archiving previously-collected data. The corrective action required depends on the status of the collector’s EDS queue, which may be displayed by issuing an operator MODIFY command. Usually, manual intervention is required to make at least one unavailable EDS available for collection and to initiate EDS maintenance. You may also need to stop the collector or to temporarily switch to SMF-only recording in order to reorganize the EDS queue and re-establish the proper sequence of automatic EDS selection. This is a particularly important consideration if you have specified monthly, daily or weekly EDS switching.

EC944 NEXT EDS IS UNAVAILABLE

Explanation:
At the conclusion of an EDS switch, the EPILOG collector attempted to determine whether the EDS following the active EDS was available for collection. However, the EDS was unavailable (It could not be allocated or opened, or it was not a valid EDS,) and the collector was unable to determine whether it required maintenance.

System action:
The collector bypasses automatic maintenance but otherwise continues normally.

User response:
Determine the reason that the next EDS is unavailable.
and arrange to make it available before the next EDS switch. See the Input/Error Message Log and the collector status display for additional information about the reasons for the unavailability of the EDS.

---

**EC945 **- NEXT EDS IS AVAILABLE

**Explanation:**
The next EDS in the EDS queue (the EDS following the one that is currently active) is available to the EPILOG collector for data recording.

**System action:**
The collector continues normally.

**User response:**
None. This message is usually issued to confirm that EDS maintenance is not required since the collector will have an EDS to write to when the next switch occurs.

---

**EC946 **- MAINTPROC STARTED CODE = nn

**Explanation:**
At the conclusion of an automatic EDS switch, the EPILOG collector attempted to start the EDS maintenance PROC specified in KEPOPTN to maintain the EDS that follows the one just activated. nn is the decimal completion code from the internal execution of the MVS START command. (It does not indicate whether the maintenance task successfully completed.)

**System action:**
The collector continues collection to the currently-active EDS (and to SMF, if requested) regardless of the success of the START command and the outcome of EDS maintenance.

**User response:**
If nn is 0, the maintenance PROC was started successfully and no action is required unless it fails. A value of nn other than 0 indicates a START command processing error and may signal an internal EPILOG error. Contact IBM Software Support for assistance. In the event of any error that prevents maintenance from being completed, manual intervention is required to make the next EDS available for collection before the next EDS switch occurs. JCL errors in the procedure must also be corrected prior to the next EDS switch to prevent a recurrence of this problem. Note that while the collector does not directly monitor the started maintenance task, it will issue a message describing the status of the next EDS at the time that space utilization in the currently-active EDS attains the threshold specified by the WARNING keyword in KEPOPTN; if this message indicates that the next EDS is not available, a maintenance task failure may be assumed when automatic maintenance is in effect.

---

**EC947 **- EDS ADDED, DSN=eds-dsname

**Explanation:**
The specified dataset name was successfully added to the EPILOG collector's EDS queue. This message is usually issued in response to an operator MODIFY command requesting dynamic addition of a dataset name to the collector's EDS queue.

**System action:**
The collector continues normally.

**User response:**
None.

---

**EC948 **- EDS DROPPED, DSN=eds-dsname

**Explanation:**
The specified dataset name was successfully removed from the EPILOG collector's EDS queue. This message is issued in response to an operator MODIFY command requesting dynamic removal of a dataset name from the collector's EDS queue.

**System action:**
The collector continues normally.

**User response:**
None.

---

**EC980 **- EPILOGC CACHE SERVICE ERROR DETECTED

**Explanation:**
An error has been detected during cache processing.

**System action:**
The collector continues normally.

**User response:**
None.

---

**EC981 **- EPILOGC CACHE INITILIZATION GETMAIN FAILURE

**Explanation:**
There was not enough storage for cache statistics collection.

**System action:**
Same as message 982.

**User response:**
If cache statistics are desired, you must restart the collector with a larger region size.
EC982  EPILOGC ERROR LOADING CACHE SERVICE MODULE

Explanation:
The EPILOG collector was unable to access the Cache Information Services (CIS) module needed for cache statistics collection.

System action:
The collector processing continues; however, cache statistics will not be collected.

User response:
The cache service functions are contained in a separate load module in the target load library. Ensure that EPILOG has been installed correctly.

EC990  APF AUTHORIZATION REQUIRED

Explanation:
The collector is unable to continue because it is not APF authorized. This message is issued by the collector router module, KEPCOLL, when it detects that APF authorization is lacking.

System action:
The collector terminates without starting data collection.

User response:
Verify that the load library from which the collector is being run (normally the SMP target library RKANMOD) is APF authorized. If not, add the appropriate information to SYS1.PARMLIB(IEAAPFx); if so, verify that the correct load library is specified by the STEPLIB DD statement in the JCL that is used to run the collector. Restart the collector after making the necessary adjustments.

EC991  UNABLE TO LOCATE MVS-RELEASE-DEPENDENT COLLECTOR MODULE xxxxxx

Explanation:
The collector is unable to continue because it is unable to load the collection service module (xxxxxx) for the release of MVS under which it is being executed.

System action:
The collector terminates without starting data collection.

User response:
In the message, xxxxxx is the PDS member name of the missing load module. Normally, this module resides in the SMP target load library RKANMOD. If it is missing, a likely reason is that the FMID that distributes it has not been installed properly. Verify that all EPILOG FMIDs have been installed successfully through SMP APPLY. SMP reporting facilities may be used to ascertain the status of load module xxxxxx. Contact IBM Software Support for assistance if necessary. Restart the collector after correcting the problem. Note that this message is normal if you attempted to run the collector under a release of MVS under which you are not licensed to run it.

EC992  LOADING MVS-RELEASE-DEPENDENT COLL MODULE xxxxxx

Explanation:
The collector has successfully loaded the collection service module (xxxxxx) for the release of MVS under which it is running.

System action:
The collector continues normally.

User response:
None. This is an informational message.

ECD000  EPILOG IMS WILL NOT COLLECT IMS SYSTEM DATASET STATISTICS: GETMAIN FAILED, MODE=UNCOND

Explanation:
EPILOG does not have enough memory to create the dataset work area.

System action:
EPILOG does not collect statistics for the DIS RDAS panel.

User response:
See the Configuration Guide for region size needed. If the region size is sufficient and the problem persists, call IBM Software Support.

ECF000  EPILOG IMS WILL NOT COLLECT FIXED BUFFER POOL STATISTICS

Explanation:
A GETMAIN for the combined fixed pool statistics work area failed.

System action:
EPILOG will not collect the combined fixed pool statistics.

User response:
Increase the region size.

ECV000  EPILOG/IMS WILL NOT COLLECT FAST PATH VSO STATS: GETMAIN FAILED

Explanation:
ECV001  •  ECW007

ECV001  EPILOG/IMS WILL NOT COLLECT FAST PATH VSO STATS: NO VSO AREAS
Explanation:
EPILOG did not find any VSO control blocks.
System action:
EPILOG cannot collect Fast Path VSO statistics.
User response:
None.

ECW000  EPILOG/IMS WRITE TASK INITIALIZATION COMPLETED
Explanation:
The task that writes the EPILOG data to the EPILOG datastore has been successfully initialized.
System action:
Information can now be written to the EPILOG datastore (EDS).
User response:
None.

ECW002  IMS GROUP DEFINITION WRITTEN TO EPILOG/IMS EDS
Explanation:
The IMS group definition has been written to the EPILOG datastore (EDS) for this collection interval.
System action:
None.

ECW007  EPILOG/IMS WRITE TASK TERMINATING
Explanation:
The task that writes the EPILOG data to the EDS has been terminated normally.
User response:

None.

**ECW903** EPILOG/IMS WRITE TASK FAILED OBTAINING TASK WORK AREA

Explanation:
An error occurred trying to GETMAIN a work area for the EPILOG write subtask.

System action:
The writer subtask terminates.

User response:
See the Configuration and Customization Guide for region size needed. If the region size is sufficient and the problem persists, call IBM Software Support.

**ECW905** EPILOG/IMS WRITE TASK FAILED OBTAINING STACK AREA

Explanation:
An error occurred during EPILOG write subtask save area processing.

System action:
The EPILOG write subtask terminates. A U0302 abend follows this message.

User response:
See the Configuration and Customization Guide, for region size needed. If the region size is sufficient and the problem persists, call IBM Software Support.

**ECW907** EPILOG/IMS WRITE TASK ESTAE FAILURE - ABENDING

Explanation:
An error occurred while the EPILOG write subtask was establishing its ESTAE environment.

System action:
The EPILOG write subtask terminates. A user abend with the ESTAE return code accompanies this message.

User response:
This is an internal software error and not a user problem. Call IBM Software Support.

**ECW913** EPILOG/IMS WRITE TASK FAILED TO LOCATE GLOBAL VECTOR TABLE - ABENDING

Explanation:
An error occurred when the EPILOG write subtask tried to access the global vector table (an EPILOG internal control block).

System action:
The EPILOG write subtask terminates. This message is accompanied with a U0304 abend.

User response:
This is an internal software error and not a user problem. Call IBM Software Support.

**ECW915** EPILOG/IMS COMMON WRITE TASK FAILED TO LOCATE IMS SCD - TERMINATING

Explanation:
An error occurred when the EPILOG write subtask tried to reference the IMS SCD.

System action:
The EPILOG write subtask terminates.

User response:
This is an internal software error and not a user problem. Call IBM Software Support.

**ECW917** EPILOG/IMS WRITE TASK UNABLE TO LOCATE IMS COLLECTOR - TERMINATING

Explanation:
An error occurred when the EPILOG write subtask tried to load module KEIICxy.

System action:
The EPILOG write subtask terminates. A U0307 abend follows this message.

User response:
This is an internal software error and not a user problem. Call IBM Software Support.

**ECW919** EPILOG/IMS WRITE TASK FAILED RELEASING WORK STACK

Explanation:
An error occurred during EPILOG write subtask save area processing.

System action:
The EPILOG write subtask terminates. A U0302 abend follows this message.

User response:
This is an internal software error and not a user problem. Call IBM Software Support.
ECW921  EPILOG/IMS WRITE TASK ABENDING AT TASK TERMINATION

Explanation:
This message is issued whenever EPILOG write task has abended.

System action:
EPILOG write task continues termination.

User response:
Call IBM Software Support with appropriate abend code.

ECW923  EPILOG/IMS QUICK CELL AND HASH TABLE ENTRIES NOT IN SYNC - KEICWxy TERMINATING

Explanation:
The count of storage cells used to keep track of database I/O does not agree with the count of hash table entries used for database lookup.

System action:
The EPILOG write task terminates. A U0365 abend follows this message.

User response:
Call IBM Software Support with appropriate abend code. Save the dump for them to use in determining the problem.

ECW925  EPILOG/IMS DB/IO FREE CELL ERROR - EPILOG/IMS WRITE TASK TERMINATING

Explanation:
An error occurred when the system tried to free one of the storage cells used to keep track of database I/O.

System action:
The EPILOG write task terminates. This message is followed by a U0366 abend.

User response:
Check the device on which EDS is located; problems such as contention can prevent the writes to EDS from completing within the specified interval.

ECW927  EPILOG/IMS DB/IO QUICK CELLS NOT ALL FREED - EPILOG/IMS WRITE TASK TERMINATING

Explanation:
An error occurred when the system tried to free all of the storage cells used to keep track of database I/O. All storage cells were not freed.

System action:
The EPILOG write task terminates. This message is followed by a U0367 abend.

User response:
Check the device on which EDS is located; problems such as contention can prevent the writes to EDS from completing within the specified interval.

ECW929  EPILOG/IMS WRITE TASK ESTAE ENTERED WITH AN INVALID WORK AREA

Explanation:
An error occurred when EPILOG write subtask ESTAE routine received control.

System action:
The EPILOG write subtask continues termination without cleanup. An U0303 abend accompanies this message.

User response:
This is an internal software error and not a user problem. Call IBM Software Support.

EDT001  EPILOG/IMS CYCLE TASK INITIALIZATION COMPLETE

Explanation:
This message is displayed when EPILOG has begun collecting bottleneck analysis information.

System action:
The bottleneck analysis collector is started.

User response:
None.

EDT005  EPILOG/IMS CYCLE TASK TERMINATING

Explanation:
This message is displayed when EPILOG has stopped collecting bottleneck analysis information.

System action:
The bottleneck analysis collector terminates.

User response:
None.

EDT903  EPILOG/IMS CYCLE TIMER TASK FAILED TO OBTAIN TASK WORK AREA - TERMINATING

Explanation:
The bottleneck analysis collector cycle task for EPILOG was unable to GETMAIN storage for a workarea.
EDT905  EPILOG/IMS CYCLE TIMER TASK UNABLE TO ESTABLISH ESTAE - ABENDING

Explanation:
The bottleneck analysis collector cycle task for EPILOG was unable to establish an ESTAE for error recovery purposes.

System action:
The EPILOG task that coordinates bottleneck analysis information abends.

User response:
Call IBM Software Support.

EDT907  ESTAE ENTERED WITH INVALID WORK AREA

Explanation:
The error recovery routine (ESTAE) for the EPILOG bottleneck analysis cycle collection task was entered with the address of an invalid work area.

System action:
The EPILOG task that coordinates bottleneck analysis information abends.

User response:
Call IBM Software Support.

EDV905  EPILOG/IMS COLLECTOR FAILED ALLOCATING DEVICE ADDRESS TABLE

Explanation:
The EPILOG collector task that gathers information about the DASD devices allocated to IMS was unable to locate the RMF device event data table.

System action:
No RMF device information is collected during this EPILOG collection cycle.

User response:
Check to see if RMF is active and monitoring DASD devices. If so, call IBM Software Support.

EDV920  EPILOG/IMS FAILED TO ALLOCATE DASD STATISTICS TABLE

Explanation:
See message EDV905.

System action:
See message EDV905.

User response:
See message EDV905.

EDV925  EPILOG/IMS FAILED TO LOCATE DEVICE EVENT DATA TABLE

Explanation:
The EPILOG collector task that gathers information about the DASD devices allocated to IMS was unable to locate the RMF device event data table.

System action:
No RMF device information is collected during this EPILOG collection cycle.

User response:
Check to see if RMF is active and monitoring DASD devices. If so, call IBM Software Support.

EDV935  EPILOG/IMS FAILED TO LOCATE THE TARGET DEVICE CLASS

Explanation:
The EPILOG collector task that gathers information about the DASD devices allocated to IMS was unable to locate the RMF data for DASD devices.

System action:
No RMF device information is collected during this EPILOG collection cycle.

User response:
Check to see if RMF is active and monitoring DASD devices. If so, call IBM Software Support.

EDV940  EPILOG/IMS DEVICE STATISTICS RECORD IS TRUNCATED

Explanation:
There is more data for DASD devices allocated to IMS than can fit in the largest EPILOG VSAM record allowed.

System action:
The EPILOG VSAM record truncates and statistics for one or more DASD devices are lost.

User response:
The LRECL of the EPILOG Datastore (EDS) needs to be
increased. This may require that the CISIZE be enlarged, or that spanned records be specified. You can define a new EDS, and then REPRO the old EDS data into the new EDS.

**EIL010  cccc - PST TABLE ADDRESS EQUAL TO ZERO**

**Explanation:**
cccc is the module that issued the message. The EPILOG collector was not able to locate its internal control tables. This is an internal error.

**System action:**
Information about Fast Path region sync points are not being collected. A dump may be generated.

**User response:**
If the message persists, gather any related messages and dumps and call IBM Software Support.

**EIL020  cccc - CURRENT BUCKET ADDRESS EQUAL TO ZERO**

**Explanation:**
cccc is the module that issued the message. The EPILOG collector was not able to locate one of its internal control tables. This is an internal error.

**System action:**
EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

**User response:**
If the message persists, gather any related messages and dumps and call IBM Software Support.

**EIL030  cccc - CURRENT BUCKET IS LOCKED**

**Explanation:**
cccc is the module issuing the message. An EPILOG collector internal control block was locked.

**System action:**
EPILOG does not collect information about Fast Path region sync points for that collect cycle. A dump may be generated if the buckets remain locked.

**User response:**
If the message persists, gather any related messages and dumps and call IBM Software Support.

**EIL040  cccc - REGION ID TABLE ADDRESS EQUAL TO ZERO**

**Explanation:**
cccc is the module that issued the message. The EPILOG collector was not able to locate one of its internal control tables. This is an internal error.

**System action:**
EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

**User response:**
If the message persists, gather any related messages and dumps and call IBM Software Support.

**EIL050  cccc - IMS SCD ADDRESS EQUAL TO ZERO**

**Explanation:**
cccc is the module that issued the message. The EPILOG collector was not able to locate IMS SCD.

**System action:**
EPILOG does not collect information about Fast Path region sync points. A dump may be generated.

**User response:**
If the message persists, gather any related messages and dumps and call IBM Software Support.

**EIL060  cccc - VALID SCD NOT FOUND**

**Explanation:**
cccc is the module that issued the message. The EPILOG collector was not able to locate valid IMS SCD.

**System action:**
EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

**User response:**
If the message persists, gather any related messages and dumps and call IBM Software Support.

**EIL070  cccc - IMS ESCD ADDRESS EQUAL TO ZERO**

**Explanation:**
cccc is the module that issued the message. The EPILOG collector was not able to locate IMS ESCD.

**System action:**
EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

**User response:**
If the message persists, gather any related messages and dumps and call IBM Software Support.
EIL080  cccc - VALID ESCD NOT FOUND

Explanation:

ccc is the module that issued the message. The EPILOG collector was not able to locate a valid IMS ESCD.

System action:

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response:

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL090  cccc - UNABLE TO OBTAIN RSA

Explanation:

ccc is the module that issued the message. The EPILOG collector was not able to obtain the register save area (RSA).

System action:

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response:

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL100  cccc - EMDA ADDRESS EQUAL TO ZERO

Explanation:

ccc is the module that issued the message. The EPILOG collector was not able to locate an internal control block.

System action:

EPILOG will not collect information about Fast Path region sync points. A dump may also be generated.

User response:

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL110  cccc - GVT ADDRESS EQUAL TO ZERO

Explanation:

ccc is the module that issued the message. The EPILOG collector was not able to locate an internal control block.

System action:

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response:

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL120  cccc - LOG RECORD ADDRESS EQUAL TO ZERO

Explanation:

ccc is the module that issued the message. The EPILOG collector was not able to locate an internal control block.

User response:

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL130  cccc - EI DEFINITION AREA ADDRESS EQUAL TO ZERO

Explanation:

ccc is the module that issued the message. The EPILOG collector was not able to locate an internal control block.

System action:

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response:

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL140  cccc - EI DEFINITION AREA POINTER EQUAL TO ZERO

Explanation:

ccc is the module that issued the message. The EPILOG collector was not able to locate an internal control block.

System action:

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response:

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL150  cccc - PST TABLE POINTER EQUAL TO ZERO

Explanation:

ccc is the module that issued the message. The EPILOG collector was not able to locate an internal control block.

System action:

EPILOG collector was not able to locate an internal control block.

User response:

If the message persists, gather any related messages and dumps and call IBM Software Support.
EIL160  cccc - CURRENT BUCKET POINTER EQUAL TO ZERO

Explanation:
cccc is the module that issued the message. The EPILOG collector was not able to locate an internal control block.

System action:
EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response:
If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL200  cccc - CBTA DIRECTORY INVALID

Explanation:
cccc is the module that issued the message. EPILOG found a region ID greater than 255 in a `5937' log record.

System action:
EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response:
If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL210 cccc - NO CBTA TABLE ENTRIES

Explanation:
cccc is the module that issued the message. The EPILOG collector could not locate any CBTA entries.

System action:
EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response:
If the message persists, gather any related messages and dumps and call IBM Software Support.
EPILOG collector could not locate a pointer to an IPAGE.

**System action:**
EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

**User response:**
If the message persists, gather any related messages and dumps and call IBM Software Support.

---

**EIL240  eccc - INVALID DPST FOUND**

**Explanation:**
cccc is the module that issued the message. The EPILOG collector could not locate a valid DPST.

**System action:**
EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

**User response:**
If the message persists, gather any related messages and dumps and call IBM Software Support.

---

**EIL250  eccc - FIRST PST POINTER IS ZERO**

**Explanation:**
cccc is the module that issued the message. The EPILOG collector could not locate an internal control block.

**System action:**
EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

**User response:**
If the message persists, gather any related messages and dumps and call IBM Software Support.

---

**EIL260  eccc - NUMBER OF PSTS GREATER THEN 255**

**Explanation:**
cccc is the module that issued the message. The EPILOG collector determined that the number of PSTs is greater than 255.

**System action:**
EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

**User response:**
If the message persists, gather any related messages and dumps and call IBM Software Support.

---

**EIL270  eccc - NUMBER OF PSTS EQUALS ZERO**

**Explanation:**
cccc is the module that issued the message. The EPILOG collector determined that the number of PSTs equals 0.

**System action:**
EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

**User response:**
If the message persists, gather any related messages and dumps and call IBM Software Support.

---

**EIL280  eccc - REGION ID NOT FOUND IN PST TBL**

**Explanation:**
cccc is the module that issued the message. The EPILOG collector could not locate a region ID in an internal table.

**System action:**
EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

**User response:**
If the message persists, gather any related messages and dumps and call IBM Software Support.

---

**EIL290  eccc - REGION ID MATCH NOT FOUND**

**Explanation:**
cccc is the module that issued the message. The EPILOG collector could not locate a region ID in an internal table.

**System action:**
EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

**User response:**
If the message persists, gather any related messages and dumps and call IBM Software Support.

---

**EIL300  eccc - CELL NOT AVAILABLE**

**Explanation:**
cccc is the module that issued the message. The EPILOG collector could not obtain a memory cell.

**System action:**
EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

**User response:**
If the message persists, gather any related messages and dumps and call IBM Software Support.
EIL310  •  EI836

User response:
If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL310  cccc - EPILOG/IMS FAST PATH SYNC
RECORD IS TRUNCATED

Explanation:
cccc is the module that issued the message. The EPILOG collector truncated an EPILOG record.

System action:
Information about Fast Path region sync points will not be complete.

User response:
If the message persists, call IBM Software Support.

EIL320  cccc - FREE CELL ERROR

Explanation:
cccc is the module that issued the message. The EPILOG collector encountered an error condition when attempting to free a memory cell.

System action:
Information about Fast Path region sync points will not be complete. A user abend 500 will be produced.

User response:
If the message persists, gather any related messages and dumps and call IBM Software Support.

EI800  LOOP DETECTED IN KEYWORD TABLE SEARCH

Explanation:
An internal error has occurred while processing the keyword table.

System action:
The EPILOG command terminates.

User response:
Re-enter the command; if the problem persists, call IBM Software Support.

EI810  OPTION IS NOT A VALID DEXAN REASON

Explanation:
A DISPLAY command with the ON keyword was entered to request a summary display of a specific bottleneck reason, but the name which was entered is not a valid DEXAN reason name.

System action:

EI820  KEYWORDS ON AND DATABASE ARE MUTUALLY EXCLUSIVE

Explanation:
The ON keyword requests a summary display for a specific bottleneck reason (for trend analysis), while the DATABASE keyword requests a summary display for a specific database. Only one of these can be requested at a time.

System action:
The display command is rejected.

User response:
Choose either ON or DATABASE.

EI830  DEGRADATION REASON ID TRANSLATION HAS FAILED

Explanation:
EPILOG was unable to translate the bottleneck reason ID in an EPILOG data record.

System action:
The bottleneck analysis display truncates.

User response:
Call IBM Software Support.

EI835  PLOTPCT VALID ONLY WITH SUMMARY KEYWORD

Explanation:
The PLOTPCT keyword requests that a trending plot of percent bottleneck over time be displayed. This request is only valid on a summary display.

System action:
The display command is rejected.

User response:
Add the SUMMARY keyword to the display command.

EI836  PLOTPCT AND PLOTTIME ARE MUTUALLY EXCLUSIVE

Explanation:
The PLOTPCT keywords requests the plotting of degradation wait reason percentages, while the PLOTTIME keyword requests the plotting of degradation wait reason times. Only one keyword can be specified at a time.
EI850  ONLY ONE SET OF RANGE PARMs ALLOWED

Explanation:
The resource type keyword contained an operand that included more than one range (for example, 1:3 5:8). Only one set of range parameters can be specified at a time.

System action:
The command is rejected.

User response:
Choose one of the two keywords and repeat the command.

EI851  MISSING END OF RANGE

Explanation:
The resource type keyword included an operand that did not contain the end of range value (for example, 1:).

System action:
The command is rejected.

User response:
Remove one of the ranges and repeat the command.

EI852  RANGE START NOT LESS THAN RANGE END

Explanation:
The resource type keyword included an operand that specified a range-end value which was less than the start-of-range value (for example, 3:1).

System action:
The command is rejected.

User response:
Correct the command and rerun it.

EI853  MAXIMUM OF 10 PARMs ALLOWED

Explanation:
The resource type keyword included an operand that specified more than 10 parameters. A maximum of 10 are allowed.

User response:
Correct the command and rerun it.

EI855  ONLY 1 DATABASE NAME ALLOWED

Explanation:
The command specified multiple database names with the CATEGORY/DBS keywords. Only one database name can be specified at a time.

System action:
The command is rejected.

User response:
Correct the command and rerun it.

EI856  WILD CARD CHARACTER (*) ONLY VALID AT END OF PARM

Explanation:
A wild card (*) was specified in a location other than the end of the keyword parameter. The wild card character can only be specified in the last position of operand value; for example, RDBE(IM*).

System action:
The command is rejected.

User response:
Correct the command and rerun it.

EI857  INVALID TRANSACTION GROUP NUMBER

Explanation:
An invalid number was specified with the GRP keyword. The GRP keyword operand must be a number between 1-30 or a symbolic group name.

System action:
The command is rejected.

User response:
Correct the command and rerun it.

EI858  ON KEYWORD ONLY VALID WITH SUMMARY DISPLAY

Explanation:
The ON keyword requests a summary display for a specific degradation wait reason. It is only valid with SUMMARY displays.

System action:
The command is rejected.

User response:
Correct the command and rerun it.
EI859  CATEGORY ONLY VALID WITH SUMMARY DISPLAY
Explanation:
The CATEGORY keyword was specified for a DETAIL display. It is only valid for SUMMARY displays.
System action:
The command is rejected.
User response:
Correct the command and rerun it.

EI860  MAXSCALE OF ZERO NOT ALLOWED
Explanation:
The MAXSCALE operand value was zero. The MAXSCALE operand value should be a valid time value; for example, MAXSCALE(1M).
User response:
Correct the command and rerun it.

EI861  INVALID OPERAND VALUE SPECIFIED WITH GSUM KEYWORD
Explanation:
The operand value specified with the GSUM keyword was not valid. Valid values are R0, R1, OQ, IQ, PI, and PR.
System action:
The command is rejected.
User response:
Correct the command and rerun it.

EI862  DATA LINE BUILD ERROR. AUTO OPTION TERMINATED.
Explanation:
EPILOG attempted to build an output print line due to a DISPLAY command with the AUTO option specified.
System action:
The AUTO option terminates; DISPLAY processing continues.
User response:
This problem may occur because of insufficient storage. Increase your region parameter on your JOB or EXEC statement. If the problem continues, contact IBM Software Support.

EI952  DATASTOR REQUIRES USE OR DROP KEYWORD
Explanation:
The DATASTOR command requires the USE or DROP keyword to direct its action against the available EDS.
System action:
The command terminates.
User response:
Specify DROP to unallocate the current EDS, or USE to make a new EDS available.

EI953  DATASTOR REQUIRES EDS KEYWORD
Explanation:
The DATASTOR command requires the EDS keyword to identify the EDS to process.
System action:
The command terminates.
User response:
Issue the EDS keyword and provide the name of the EDS to be processed.

EI956  SEVERE ERROR ENCOUNTERED IN EBETBAD
Explanation:
The EBETBAD routine encountered a severe error while processing an EDS-related command.
System action:
The command terminates.
User response:
Call IBM Software Support.

EI960  EDS dsname HAS INVALID FORMAT - NOT ADDED
Explanation:
The dataset name specified in the EDS keyword of the DATASTOR command had an invalid format.
System action:
The command terminates.
User response:
Make sure the dataset name has eight or fewer characters in a single qualifier and that only one period is used between qualifiers. Correct the dataset name and reissue the command.
EI961  INVALID VALUE FOR DROP KEYWORD

Explanation:
The value of the EDS keyword of the DATASTOR DROP command was invalid. The value should be either the number 1 or the word ALL. The EDS keyword itself is optional for the DATASTOR DROP command.

System action:
The command terminates.

User response:
Correct the EDS keyword’s value and reissue the command.

EOS000  EPILOG/IMS WILL NOT COLLECT ISAM/OSAM SUBPOOL STATISTICS

Explanation:
EPILOG found that no ISAM/OSAM subpools were defined to the IMS system.

System action:
EPILOG does not collect ISAM/OSAM subpool statistics.

User response:
None. This may be normal if no ISAM/OSAM subpools are defined in your IMS system.

EOS900  EPILOG/IMS COLLECTOR FAILED TO OBTAIN ISAM/OSAM SUBPOOL STATISTICS AREA

Explanation:
The task that collects statistics on the ISAM/OSAM subpool was unable to GETMAIN sufficient storage for a work area.

System action:
The task terminates with an abend.

User response:
Allocate a larger region size for the EPILOG address space.

EP400  GENERIC PROFNAME IS INVALID WITH COMPARE

Explanation:
The COMPARE command does not accept an asterisk (*) with PNAME as a generic profile name.

System action:
EPILOG bypasses this command.

User response:
Specify a 1-6 character profile name or accept the PNAME default.

EP402  MULTIPLE WORKLOADS INVALID WITH SETP COMMAND

Explanation:
The SETP command does not support multiple workloads.

System action:
EPILOG SETP bypasses the workload specification, and continues processing the other keywords.

User response:
Specify only one workload in SETP command.

EP403  SUMMARY INVALID WITH DISPLAY PNAME

Explanation:
SUMMARY and PNAME are mutually exclusive on the DISPLAY command.

System action:
EPILOG terminates the command.

User response:
If you want a Profile Report, eliminate the SUMMARY keyword.

EP404  MERGE INVALID WITH RESOURCE/WORKLOAD REQUESTED

Explanation:
MERGE as a sub-parameter of the SYSID keyword is currently only valid for the DISPLAY RDAS command.

System action:
The reporter is ready for the next command input.

User response:
None.

EP405  COMBINE NOT ALLOWED WITH JDAS/PDAS KEYWORDS

Explanation:
Use of the COMBINE keyword is not valid when entering the DISPLAY JDAS or DISPLAY PDAS commands.

System action:
The reporter is ready for the next command input.

User response:
EP406 TOTAL NOT ALLOWED WITH JDAS/PDAS KEYWORDS

Explanation:
Use of the TOTAL keyword is not valid when entering the DISPLAY JDAS or DISPLAY PDAS commands.

System action:
The reporter is ready for the next command input.

User response:
None.

EP407 RIF PARAMETER INVALID FOR REQUESTED RESOURCE REPORT

Explanation:
The RIF parameter supplied on a DISPLAY, EXTRACT or OBTAIN command was not valid for the one or more report types requested. The message is accompanied by a second line which identifies the parameter and the related report type.

System action:
The reporter waits for the next command.

User response:
Eliminate the invalid parameter or report request and retry the command.

EP408 RIF FOR RESOURCES NOT ALLOWED ON WORKLOAD REQUEST

Explanation:
The RIF parameter supplied on a DISPLAY, EXTRACT or OBTAIN command is valid for resource reports, but a workload report has been requested.

System action:
The reporter waits for the next command.

User response:
Eliminate the invalid parameter and retry the command.

EP409 SIF KEYWORD INVALID FOR RESOURCE REPORTS

Explanation:
The SIF keyword was supplied on a DISPLAY, EXTRACT or OBTAIN command requesting a resource report.

System action:
The reporter waits for the next command.

User response:
Remove either the SIF or the PNAME and try again.

EP410 RIF FOR WORKLOADS NOT ALLOWED ON RESOURCE REQUEST

Explanation:
The RIF parameter supplied on a DISPLAY, EXTRACT or OBTAIN command is valid for workload reports, but a resource report has been requested.

System action:
The reporter waits for the next command.

User response:
Eliminate the invalid parameter and retry the command.

EP411 XPG INVALID WITH PNAME

Explanation:
The PNAME and XPG keywords are mutually exclusive.

System action:
EPILOG bypasses the command and continues scanning the statement.

User response:
Remove either the XPG or the PNAME and try again.

EP412 AVERAGE INVALID WITH PNAME

Explanation:
The AVERAGE and PNAME keywords are mutually exclusive.

System action:
EPILOG bypasses the command and continues scanning the statement.

User response:
Remove either the AVERAGE or the PNAME and try again.

EP413 TOTAL INVALID WITH PNAME

Explanation:
The TOTAL and PNAME keywords are mutually exclusive.

System action:
EPILOG bypasses the command and continues scanning the statement.

User response:
Remove either the TOTAL or the PNAME and try again.

**EP414** **STEP INVALID WITH PNAME**

**Explanation:**
The STEP and PNAME keywords are mutually exclusive.

**System action:**
EPILOGypasses the command and continues scanning the statement.

**User response:**
Remove either the STEP or the PNAME and try again.

**EP415** **COMBINE INVALID WITH PNAME**

**Explanation:**
The COMBINE and PNAME keywords are mutually exclusive.

**System action:**
EPILOG bypasses the command and continues scanning the statement.

**User response:**
Remove either the COMBINE or the PNAME and try again.

**EP416** **SINGLE INVALID WITH PNAME**

**Explanation:**
The SINGLE and PNAME keywords are mutually exclusive.

**System action:**
EPILOG bypasses the command and continues scanning the statement.

**User response:**
Remove either the SINGLE or the PNAME and try again.

**EP417** **DETAIL INVALID WITH PNAME**

**Explanation:**
The DETAIL and PNAME keywords are mutually exclusive.

**System action:**
EPILOG bypasses the command and continues scanning the statement.

**User response:**
Remove either the DETAIL or the PNAME and try again.

**EP418** **RESOURCE INVALID WITH PNAME**

**Explanation:**
The RESOURCE and PNAME keywords are mutually exclusive.

**System action:**
EPILOG bypasses the command and continues scanning the statement.

**User response:**
Remove either the RESOURCE or the PNAME and try again.

**EP419** **MAXSCALE INVALID WITH PNAME**

**Explanation:**
The MAXSCALE keyword is only supported for SUMMARY displays.

**System action:**
EPILOG bypasses the command and continues scanning the statement.

**User response:**
Remove either the MAXSCALE or the PNAME and try again.

**EP420** **NO WORKLOAD OR PROFILE NAME SPECIFIED**

**Explanation:**
A workload must be specified if PNAME is coded without an operand.

**System action:**
EPILOG bypasses the command and continues scanning the statement.

**User response:**
Include a workload or a profile name and re-submit the command.

**EP421** **SIF INVALID WITH PNAME**

**Explanation:**
SELECTIF exceptions are not allowed on the DISPLAY command when a profile name has been specified.

**System action:**
EPILOG bypasses the command and continues scanning the statement.

**User response:**
Replace the SELECTIF keyword with REPORTIF.
**EP422 • EP432**

**EP422  EXW INVALID WITH PNAME**

**Explanation:**
Excluded waits are not allowed on the DISPLAY command when a profile name has been specified.

**System action:**
EPILOG bypasses the command and continues scanning the statement.

**User response:**
Remove the excluded wait and try again.

**EP423  AUTO INVALID WITH PNAME**

**Explanation:**
The AUTOMATIC keyword is not allowed on the DISPLAY command when a profile name has been specified.

**System action:**
EPILOG bypasses the command and continues scanning the statement.

**User response:**
Remove the AUTOMATIC keyword and try again.

**EP424  PGN OR RPGN IS REQUIRED FOR THE PGP SELECTION**

**Explanation:**
The user must specify a performance group identifier with the PGN or RPGN keyword when requesting performance group period selection with the PGP keyword.

**System action:**
EPILOG bypasses the current command.

**User response:**
Include the PGN or RPGN keyword with the PGP keyword.

**EP425  SUMMARY INVALID WITH COMPEXT**

**Explanation:**
The SUMMARY keyword cannot be used with the COMPEXT command.

**System action:**
EPILOG bypasses the current command.

**User response:**
Reissue the command without the SUMMARY keyword.

**EP426  INTERVAL NOT ALLOWED WITH JDAS/PDAS KEYWORDS**

**Explanation:**
You cannot specify an INTERVAL keyword with the JDAS or PDAS display command.

**System action:**
EPILOG bypasses the current command.

**User response:**
Reissue the command without the INTERVAL keyword.

**EP430  DISPLAY OF RSCL RESOURCE NOT SUPPORTED**

**Explanation:**
The RSCL resource data is only available through the OBTAIN and EXTRACT commands.

**System action:**
None.

**User response:**
Use the OBTAIN or EXTRACT command to get RSCL resource data.

**EP431  EDSLRECL TOO SMALL TO ACCOMODATE AVAILABLE EPILOG DATA**

**Explanation:**
The EDS record length was insufficient to accommodate the WLM Goal Mode data gathered from SMF type 72 subtype 3 records.

**System action:**
As much data as can be accommodated is written to the EDS and an indication and count of data sections missing are maintained in the record.

**User response:**
If the EDS is defined at less than the maximum LRECL of 32K, increase the LRECL on the EDS definition. If required, the SMF type 72 subtype 3 records can be used as input to the EPILOG maintenance utility which can be run against the EDS with the increased LRECL to recover all or part of the data that was truncated.

**EP432  DISPLAY OF SCL, RCL, and WKL NOT SUPPORTED**

**Explanation:**
An attempt was made to issue the DISPLAY command specifying the WLM workload keywords.

**System action:**
None.
**EP433**  PERIOD CAN ONLY BE SPECIFIED WITH SERVCLAS

**Explanation:**
An attempt was made to use the PERIOD keyword on a report type other than SERVCLAS.

**System action:**
None.

**User response:**
Remove the PERIOD keyword and issue the command or change the report type to SERVCLAS and reissue the command.

**EP500**  EXCLUDE INVALID WITH MULTIPLE DATASTORES

**Explanation:**
The EXCLUDE command can only be used for one datastore per job.

**System action:**
EPILOG bypasses the command and terminates the job.

**User response:**
Use separate jobs for each datastore.

**EP600**  DATA RECORD MISSING

**Explanation:**
EPILOG was unable to find a data record during processing.

**System action:**
EPILOG bypasses the current command.

**User response:**
This is an internal processing error relating to the Profile datastore; it is not a user problem. Contact IBM Software Support.

**EP610**  POINTER RECORD MISSING

**Explanation:**
EPILOG was unable to find a pointer record during processing.

**System action:**
EPILOG bypasses the current command.

**User response:**
This is an internal processing error relating to the Profile datastore; it is not a user problem. Contact IBM Software Support.

**EP620**  VSAM I/O ERROR

**Explanation:**
EPILOG was unable to complete the VSAM I/O successfully during processing.

**System action:**
EPILOG bypasses the current command.

**User response:**
This is an internal processing error relating to the Profile datastore; it is not a user problem. Contact IBM Software Support.

**EP630**  NO PROFILE RECORDS MATCHED SELECTION CRITERIA

**Explanation:**
EPILOG was unable to find a Profile datastore record that matched the user’s selection criteria.

**System action:**
None.

**User response:**
None.

**EP640**  NO EDS RECORDS MATCHED SELECTION CRITERIA

**Explanation:**
EPILOG was unable to find an EPILOG datastore record that matched the user’s selection criteria.

**System action:**
None.

**User response:**
None.

**EP641**  CANNOT COMBINE RPGN PREV290 AND POSTV290 RECORDS

**Explanation:**
The records format of RPGN records changed in Version 290 of EPILOG, and EPILOG cannot combine RPGN records with different formats.

**System action:**
EPILOG skips over the combined interval that contains mixed record formats.

**User response:**
Correct the time range to combine the pre-Version 290 and post-Version 290 records separately.
EP650  NO EDS ALLOCATED TO THE REPORTER. PLEASE USE THE DATASTOR ADD COMMAND TO DEFINE ANY EDSS REQUIRED.

Explanation:
A command requesting EDS data has been entered, but no EDSs were allocated at initialization or all EDSs allocated to the reporter session have been dropped via the DATASTOR command.

System action:
The reporter waits for a user response.

User response:
Allocate any required EDSs via the DATASTOR ADD command.

EP651  DUPLICATE PROFILE RECORD ON PRDS

Explanation:
EPILOG found a duplicate profile in the Profile datastore. The new profile is ignored.

System action:
None.

User response:
None.

EP655  TEST PROFILE - NOT WRITTEN TO PRDS

Explanation:
The keyword TEST has been specified on the PROFILE command. As a result, the profile has not been written to the Profile datastore.

System action:
None.

User response:
None.

EP657  ONLY ONE EDS RECORD FOUND. NO PLOT GENERATED

Explanation:
Because there was only a single EPILOG datastore record for the workload specified, no plot was generated.

System action:
None.

User response:
None.

EP721  INVALID WORKLOAD TYPE FOR PROFILING

Explanation:
The workload type specified is not supported by the Workload Profiling Facility. WPF does not support the use of multiple workload keywords on the PROFILE command line.

System action:
EPILOG bypasses the current command.

User response:
Specify a valid workload type.

EP730  MVS/370 + HIGHER LEVELS OF DATA CANNOT BE MERGED

Explanation:
An attempt has been made to MERGE data from the MVS/370 operating system and MVS/XA or MVS/ESA operating system in a DISPLAY RDAS command.

System action:
The reporter waits for user response.
User response:
Split the MVS/370 data using the SYSID keyword so that separate panels are generated for this operating system level. For example, if SYSA and SYSB are MVS/ESA and SYSX and SYSY are MVS/370, the data can be displayed in two panels by entering
\texttt{DISPLAY RDAS...SYSID((SYSA,SYSB,MERGE),(SYSX, SYSY,MERGE)).}

\textbf{EP731 \hspace{1cm} RECORDS WITH INCOMPATIBLE RMF INTERVALS ENCOUNTERED}

\textbf{Explanation:}
When merging RDAS data without the COMBINE keyword, records must contain data for intervals which are the same or multiples of each other within a tolerance limit of 10%.

\textbf{System action:}
The reporter waits for user response.

\textbf{User response:}
Split the data into groups of compatible intervals with the SYSID keyword. For example, if SYSA and SYSB have RMF intervals of 15 and 30 minutes respectively and SYSX has an RMF interval of 25 minutes, the following command will display the data in two separate panels:
\texttt{DISPLAY RDAS...SYSID((SYSA,SYSB,MERGE),(SYSX)).}

\textbf{EP750 \hspace{1cm} PRO/MVS HAD AN INTERNAL PROCESSING ERROR, CODE xxx}

\textbf{Explanation:}
There was an internal error encountered in PMXCPRO or PMXWPRO.

\textbf{System action:}
Processing terminates.

\textbf{User response:}
Call IBM Software Support for assistance.

\textbf{EP751 \hspace{1cm} WORKLOAD REQUIRED FOR COMPARE COMMAND}

\textbf{Explanation:}
No workload was specified on the COMPARE command. The COMPARE command requires that the user specify a workload to be compared.

\textbf{System action:}
EPILOG bypasses the current command.

\textbf{User response:}
Specify a valid workload.

\textbf{EP752 \hspace{1cm} PNAME REQUIRED FOR COMPARE COMMAND}

\textbf{Explanation:}
No PNAME was specified on the COMPARE command. The COMPARE command requires that the user specify a profile name.

\textbf{System action:}
EPILOG bypasses the current command.

\textbf{User response:}
Specify a valid profile name or accept PNAME default.

\textbf{EP800 \hspace{1cm} SMF CONVERT ERROR, DATA INCORRECT}

\textbf{Explanation:}
The current SMF record does not match the EPILOG for MVS format.

\textbf{System action:}
The EPILOG datastore load is aborted.

\textbf{User response:}
Verify that the record is a valid record produced by the EPILOG collection routines. Contact IBM Software Support for assistance.

\textbf{EP810 \hspace{1cm} SMF CONVERT ERROR, DATA TOO LONG}

\textbf{Explanation:}
The EPILOG datastore record is not large enough to hold the converted SMF record.

\textbf{System action:}
The EDS load is aborted.

\textbf{User response:}
Change the logical record size of the EDS. Contact IBM Software Support for assistance.

\textbf{EP895 \hspace{1cm} VSAM ERROR IN EDS: OPERATION = aaaaaa bbbbbb}

\textbf{Explanation:}
An error occurred during the EPILOG reporter's attempt to use an EPILOG datastore. aaaaaa indicates the failing VSAM operation (GET, PUT, MODCB, etc.), and bbbbbb indicates the type of EPILOG record involved (DATA or POINTER). This message is always followed by EP896.

\textbf{System action:}
The reporter terminates or continues depending upon the severity of the error.
EP896 • EP953

User response:
See message EP896.

EP896

VSAM ERROR IN EDS: RC = nnn
FNCN = nnn FDBK = nnn

Explanation:
An error occurred during the EPILOG reporter’s attempt to use an EPILOG datastore. The three values of nnn represent the VSAM return, function, and feedback codes from the failing operation, respectively. This message is always preceded by EP895, which identifies the failing VSAM operation and the EPILOG record type.

System action:
The reporter terminates or continues depending upon the severity of the error.

User response:
Consult the appropriate IBM VSAM reference documentation to determine the cause and severity of the error and take appropriate corrective action. For RC=8 and FDBK=152, you can resolve the problem by increasing the BUFNI and/or BUFND values in the LSRBUFFS parm member. If you are unable to fix the problem, call IBM Software Support for assistance.

EP905

ERROR READING PRDS RECORD:
TYPE=n

Explanation:
EPILOG was unable to read a PRDS record of type n during PRDS PURGE processing.

System action:
The current PURGE PRDS command is terminated.

User response:
This is an internal processing error and not a user problem; contact IBM Software Support.

EP910

ERROR DELETING PRDS RECORD:
TYPE=n

Explanation:
EPILOG was unable to delete a PRDS record of type n during PRDS PURGE processing.

System action:
The current PURGE PRDS command is terminated.

User response:
This is an internal processing error and not a user problem; contact IBM Software Support.

EP950

DUPLICATE ENTRY NUMBERS FOUND IN EDS KEYWORD

Explanation:
In a DATASTOR DROP EDS() command the same entry number was found at least once in the EDS keyword parameters.

System action:
The reporter waits for user response.

User response:
Correct the duplicate entry numbers and retry the operation.

EP951

DATASTOR COMMAND INVALID FOR MAINTENANCE PROCESSING

Explanation:
The DATASTOR command was entered during KEBMAINT processing.

System action:
The DATASTOR command is ignored; KEBMAINT processing continues.

User response:
Remove the DATASTOR command from the KEBMAINT command input if in batch mode.

EP952

DATASTOR REQUIRES USE, ADD OR DROP KEYWORD

Explanation:
The DATASTOR command was entered without USE, ADD, or DROP being specified as a keyword.

System action:
The reporter waits for user response.

User response:
Enter the required parameters on the EDS keyword and retry the operation.

EP953

DATASTOR REQUIRES EDS KEYWORD

Explanation:
The DATASTOR command was entered without EDS being specified as a keyword.

System action:
The reporter waits for user response.

User response:
Enter the required parameters on the EDS keyword and retry the operation.
EP954 NO DATASTORES SPECIFIED ON EDS KEYWORD

Explanation:
The DATASTOR command was entered without any EDS dsnames or a sequence number from the INQUIRE SUMMARY panel (in conjunction with the DROP keyword).

System action:
The reporter waits for user response.

User response:
Enter the required parameters on the EDS keyword and retry the operation.

EP955 INVALID DSN LENGTH SUPPLIED

Explanation:
A dsname with an invalid length was supplied as a parameter to the EDS keyword on a DATASTOR command.

System action:
The reporter waits for user response.

User response:
Correct the DSN in error and retry the operation.

EP956 SEVERE ERROR ENCOUNTERED IN EBETBAD

Explanation:
An internal error occurred while trying to add an EDS to the current reporter session.

System action:
The reporter waits for user response.

User response:
Contact IBM Software Support.

EP957 NO EDSLIST PRESENT TO DROPENTRIES FROM

Explanation:
A DATASTOR DROP command was issued when no EDSs were allocated to the current reporter session.

System action:
The reporter waits for user response.

User response:
If access to EDS data is required, you must issue a DATASTOR ADD command; otherwise, no further action is necessary.

EP958 EDS KEYWORD PARMS MUST BE NUMERIC 1-999 USING DROP

Explanation:
A DATASTOR DROP command was issued and one or more of the parameters in the EDS keyword was either non-numeric or greater than 999.

System action:
The reporter waits for user response.

User response:
Correct the erroneous parameter in the EDS keyword and retry the operation.

EP959 EDS KEYWORD PARM(S) BEYOND LAST ENTRY IN EDSLIST

Explanation:
A DATASTOR DROP command was issued and one or more of the parameters in the EDS keyword was greater than the number of entry sequence numbers on the INQUIRE SUMMARY panel.

System action:
The reporter waits for user response.

User response:
Correct the erroneous parameters in the EDS keyword and retry the operation.
Chapter 7. Messages

IA0001 INVALID DELIMITER
Explanation: The IANL command was entered with incorrect syntax.
System action: The command is commented out.
User response: Correct the syntax error and re-enter the command.

IA0002 WORKLOAD NAME MUST BE 8 CHARACTERS OR LESS
Explanation: A workload name exceeding eight characters was entered.
System action: The command is commented out.
User response: Correct the workload name and re-enter the command.

IA0003 VALID FORMATS ARE: workload, LIST workload, DELETE GROUP LIST
Explanation: User entered an IANL command with incorrect usage of the comma. Correct syntax is displayed.
System action: The command is commented out.
User response: Correct the syntax error and re-enter the command.

IA0004 VALID FORMATS ARE: GROUP=groupname PG=nnnn LIST=ALL
Explanation: An IANL command was entered with incorrect use of the equal sign. The correct syntax is displayed.
System action: The command is commented out.
User response: Correct the syntax error and re-enter the command.

IA0005 PERFORMANCE GROUPS MUST BE SPECIFIED BY NUMBER
Explanation: User attempted to select a performance group as a monitored workload (using the PG=performance group command) but entered a non-numeric name for the performance group. The performance group must be specified by number.
System action: Command is commented out.
User response: Correct the syntax error and re-enter the command.

IA0006 GROUP NAMES CANNOT BE NUMERIC
Explanation: The user attempted to select a group workload to be monitored (using the GROUP=[Groupname] command), but entered a numeric name for the group. The group workload must be specified by a non-numeric name.
System action: The command is commented out.
User response: Correct the syntax error and re-enter the command.

IA0007 VALID FORMAT FOR LIST IS: cccccccc
Explanation: The IANL LIST command was entered incorrectly.
System action: The command is commented out and a model of the correct syntax is shown.
User response: Correct the syntax error and re-enter the command.

IA0008 FORMAT FOR DEFINING A GROUP IS:
Explanation: GROUP=[Groupname]=[Member1,Member2,...]
Explanation: The user attempted to define a group workload, but did not use the correct syntax.
System action: The command is commented out and a model of the correct syntax is shown.
User response: Correct the syntax error and re-enter the command.

IA0009 GROUPS CANNOT CONTAIN BOTH TASK NAMES AND PG NUMBERS
Explanation: The user attempted to define a group workload, but mixed task names and PG numbers in the member list.
System action: The command is commented out.
User response: Correct the syntax error and re-enter the command.

IA0010 GROUP MEMBER NAMES MUST BE 1 TO 8 CHARACTERS
Explanation: The user attempted to define a group workload, but entered a member name greater than eight characters. The correct syntax is: GROUP=[Groupname]=[member list].
System action: The command is commented out.
User response: Correct the syntax error and re-enter the command.

**IA0011**  
**GROUP** *(name)* IS NOT DEFINED

Explanation: The user attempted to select a group workload to be monitored (using the command IANL GROUP=*Groupname*), but the group has not been defined.

System action: The command is ignored.
User response: Define the group workload using the command GROUP=*Groupname*=(*member list*) and re-enter the group selection command.

**IA0012**  
VALID PREFIXES FOR IANL COMMAND ARE: S - Summary level display  
D - Detail level display

Explanation: The IANL command was entered with an invalid prefix.

System action: The command is ignored.
User response: Correct the syntax and re-enter the command.

**IA0013**  
VALID SUFFIXES FOR IANL COMMAND ARE:  
P - Show impactors by Performance group  
PD - Show impactors by Performance group detailed by job

Explanation: The IANL command was entered with an invalid suffix.

System action: The command is ignored.
User response: Correct the syntax and re-enter the command.

**IA0014**  
GROUPS MUST CONTAIN AT LEAST 1 MEMBER

Explanation: The user attempted to define a group workload, but did not include any members in the member list. The correct syntax is: GROUP=*Groupname*=(*member list*).

System action: The command is commented out.
User response: Correct the syntax error and re-enter the command.

**IA0015**  
MAXIMUM NUMBER OF CONTENTION ANALYSES IS 5

Explanation: The user attempted to set the number of workloads to be monitored at more than five. The maximum number of workloads to be monitored is five.

System action: The IANC command is rejected and commented out.
User response: None.

**IA0100**  
COLLECTOR HAS NOT BEEN STARTED

Explanation: Certain commands require active data collection when they are issued. Such a command was entered before data collection was started.

System action: The command is ignored.
User response: Start data collection and re-enter the command.

**IA0101**  
COMMAND NOT VALID ONCE COLLECTOR STARTED

Explanation: Certain commands (such as IANQ, which changes the enqueue sampling interval, and IANC, which sets the number of workloads that can be monitored) require that data collection be stopped when they are issued. Such a command was entered while data collection was active.

System action: The command is ignored.
User response: Stop data collection and re-enter the command.

**IA0102**  
ENTRY NOT FOUND

Explanation: The IANL LIST or DELETE command was entered for a workload that was not being monitored.

System action: The command is ignored and commented out.
User response: Correct the workload name and re-enter the command.

**IA0103**  
NO ROOM IN TABLE TO ADD ENTRY

Explanation: The user attempted to start monitoring a workload and exceeded the maximum number of workloads that can be monitored.

System action: The command is ignored.
User response: Delete a workload from monitoring or increase the maximum number of workloads with the IANC command.

**IA0104**  
COLLECTOR HAS ABENDED

Explanation: The collector module has abended, and therefore the workloads under analysis are no longer being monitored.

System action: Diagnostic information is displayed.
User response: Log the diagnostic information; issue the.MOD command and log the additional diagnostic
information; exit using the IANL END command; contact IBM Software Support. For a definition of the user ABEND codes, see the EB, EP, and EU Abend Codes appendix.

IA0105  JOB HAS ENDED
Explanation: Impact analysis is not monitoring the workload because the workload is no longer running.
System action: The command is commented out.
User response: None.

IA007  NO CONTENTION TO REPORT
Explanation: Monitoring of the workload is continuing, but not enough contention data has been collected to form a display.
System action: None.
User response: Retry the request later, after enough data has been collected.

IA009  NO MORE THAN 5 SHORT TERM INTERVALS PER LONG TERM INTERVAL
Explanation: The user attempted to define the long-term interval but entered a number larger than five.
System action: The IACL command is rejected.
User response: Correct the entry and re-enter the command.

IA010  JOB IS NOT A CICS REGION
Explanation: The monitoring of a job was requested for a region that is not in CICS.
System action: The command is ignored.
User response: Re-enter the command with a CICS job.

IA011  AT LEAST ONE MEMBER IS NOT A CICS REGION
Explanation: The group was monitored, but one or more group members may be incorrect.
System action: None.
User response: Verify that all group members are correct.

IA012  INTERNAL ERROR IN CVAL ROUTINE
Explanation: This message is the result of an internal error or the corruption of virtual storage.

IA0105  IA0204
Chapter 7. I Messages 153
System action: The IACS command is accepted and commented out.
User response: This is an informational message only.

IA0205 THE DATA COLLECTOR SAMPLE TIME = n.n SECONDS
Explanation: Informs the user of the sampling interval (in seconds).
System action: The IAST command is accepted and commented out.
User response: This is an informational message only.

IA0206 PLOT PERCENTAGE THRESHOLD IS nn%
Explanation: Informs the user of the plot threshold. (Contending workloads comprising less than nn% of the contention will not be displayed).
System action: The command is accepted.
User response: This is an informational message only.

IA0207 IA TO SUPPORT UP TO n CONTENTION ANALYSES
Explanation: Informs the user of the maximum number of workloads that can be monitored.
System action: The IANC command is accepted and commented out.
User response: This is an informational message only.

IA0208 ENQUEUE DATA COLLECTION ENABLED/DISABLED (CYCLE = nn)
Explanation: Informs the user whether enqueue data collection is enabled or disabled. If enqueue collection is enabled, the message also shows the frequency with which enqueue data is collected (as a multiple of sampling intervals).
System action: The IANQ command is accepted and commented out.
User response: This is an informational message only.

IA0209 GROUP HAS BEEN DEFINED
Explanation: The user successfully defined a group workload.
System action: The command is commented out.
User response: This is an informational message only.

IA0215 NO WORKLOADS UNDER ANALYSIS
Explanation: The user entered the IANL LIST=ALL command but all workloads have been deleted from analysis. (The collector is still running.)
System action: None.
User response: This is an informational message only.

IA0216 NO GROUPS ARE DEFINED
Explanation: The user entered the command IANL GROUP,List but no group workloads have been defined. (The collector is still running.)
System action: None.
User response: None

IA0217 IA COLLECTION TASK TIMES OUT AFTER n MINUTES
Explanation: Informs the user of the current time-out interval. If the time-out facility has been turned off, the message is IA COLLECTION TASK WILL NOT TIME OUT.
System action: The IATO command is accepted.
User response: None.

IA0301 PERFORMANCE GROUP OPERANDS UNACCEPTABLE IN GOAL MODE
Explanation: Performance group information is not available under the Work Load Manager goal mode.
System action: The command terminates.
User response: Correct the command and re-enter.

IN0004 THE KEYWORD FLAGGED ABOVE IS UNKNOWN
Explanation: A keyword operand was misspelled or is not valid on this command.
System action: The command does not execute.
User response: Correct the command and re-enter.

IN0005 PARAMETER WAS EXPECTED BUT NOT FOUND
Explanation: A keyword with a parameter list was specified, but the parameter list did not contain enough parameters.
System action: The command does not execute.
User response: Correct the command and re-enter.
**IN0006** THIS PARAMETER MUST BE NUMERIC

**Explanation:** A parameter was specified which must be numeric but is not.

**System action:** The command does not execute.

**User response:** Correct the command and re-enter.

**IN0007 '}' MISSING AFTER FIRST PARAMETER

**Explanation:** A ‘)’ was expected after the first parameter and was not found.

**System action:** The command does not execute.

**User response:** Correct the command format and retry.

**IN0050 ** \( \text{datasetname} \) FAILED TO ALLOCATE

**Explanation:** An error occurred during dynamic allocation of the dataset name specified in the MLIB DSN list.

**System action:** The command continues if there are other dataset names in the MLIB DSN list.

**User response:** Check the reason for the dynamic allocation error and correct accordingly: Message IN0051 might accompany this message.

**IN0051 DAIR CODE = rc

**Explanation:** The Dynamic Allocation Interface Routine (DAIR) return code is displayed.

**System action:** Same as message IN0050.

**User response:** Same as message IN0050.

**IN0060 ** \( \text{datasetname} \) FAILS MLIB REQUIREMENTS

**Explanation:** The dataset failed the MLIB requirement because it neither has a Format 1 DSCB nor is in a load module format. Message IN0061 or IN0062 gives more information on the error.

**System action:** The command continues if there are other dataset names in the MLIB DSN list.

**User response:** Investigate why the dataset failed to close. If necessary, call IBM Software Support for assistance.

**IN0082 ** \( \text{datasetname} \) FAILED TO DE-ALLOCATE

**Explanation:** The dataset cannot be de-allocated.

**System action:** Deallocate processing continues for the remaining datasets.

**User response:** Investigate why the dataset failed to de-allocate by examining the accompanying DAIR code in message IN0083.

**IN0083 DAIR CODE = rc

**Explanation:** The Dynamic Allocation Interface Routine (DAIR) return code is displayed with message IN0082.

**System action:** See message IN0082.
IN0090 • IN0900

User response: Refer to the appropriate IBM manual for a description of the return codes.

IN0090 ADD AND DEL MUST NOT BE ISSUED TOGETHER
Explanation: The ADD and DEL parameters cannot be issued together in the same MLIB command.
System action: The commands do not execute.
User response: Issue ADD and DEL separately.

IN0091 datasetname IS NOT IN THE MLIB DSN LIST
Explanation: The dataset specified with the delete option of the MLIB minor of INSP was not found in the MLIB list because it was never added or was already deleted.
System action: The operation is ignored.
User response: Specify the correct dataset name for the delete.

IN0092 PREVIOUS LINE WAS TRUNCATED
Explanation: The previous display line has been truncated because the line length was exceeded.
System action: None.
User response: None.

IN0100 cccccc HAS A HIGHER PRIORITY THAN OMEGAMON
Explanation: The address space dispatching priority of job cccccc, which is being monitored by INSP, is running at a higher priority than OMEGAMON. This is the jobname specified by the JOB( ) keyword.
System action: INSP attempts to take samples, but will probably detect very little activity in the monitored address space. Any results are incorrect.
User response: Run OMEGAMON as a performance group which has a higher priority than the address space being monitored.

IN0101 cccccc IS NO LONGER RUNNING
Explanation: INSP was monitoring an address space when the jobname cccccc changed. cccccc is the name specified by the JOB( ) keyword.
System action: Sampling terminates.
User response: If you want more data, rerun the job and use a shorter sampling period.

IN0102 START INVALID, ALREADY SAMPLING
Explanation: The START keyword was specified on the INSP command when sampling of the target address space was already in progress.
System action: The START keyword is ignored.
User response: None required.

IN0103 STOP INVALID, NOT SAMPLING
Explanation: The STOP keyword was specified on the INSP command when sampling of the target address space was not in progress.
System action: The STOP keyword is ignored.
User response: None required.

IN0104 ATTACH FAILED
Explanation: This is an internal error message.
System action: Sampling does not start.
User response: Call IBM Software Support for assistance.

IN0105 cccccc NOT FOUND
Explanation: No job with the name cccccc specified is currently active. <jobname> is the name specified by the JOB( ) keyword.
System action: The new jobname specification is not used.
User response: Use the JOB( ) keyword to specify the name of a running job. If necessary, use OMEGAMON commands such as ALLJ to determine a valid jobname.

IN0106 SAMPLER TASK HAS ABENDED
Explanation: This is an internal error message.
System action: Sampling terminates and diagnostic information appears.
User response: Record the diagnostic information and call IBM Software Support.

IN0900 $GMEM FAILED FOR INSP WORKAREA
Explanation: OMEGAMON was unable to obtain memory for the INSP workarea.
System action: The command does not execute.
User response: Increase the OMEGAMON region size to correct the problem.
<table>
<thead>
<tr>
<th>Code</th>
<th>Message Description</th>
<th>Explanation</th>
<th>System action</th>
<th>User response</th>
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</thead>
<tbody>
<tr>
<td>IN0901</td>
<td>RETURN CODE rc FROM OMPBM INITIALIZATION</td>
<td>An error occurred during INSP initialization.</td>
<td>The command does not execute.</td>
<td>Call IBM Software Support for assistance.</td>
</tr>
<tr>
<td>IN0902</td>
<td>INSPECT REQUIRES DEXAN</td>
<td>To run INSP, the DEXAN® product is required.</td>
<td>The command does not execute.</td>
<td>None.</td>
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<tr>
<td>IN0903</td>
<td>LOAD MACRO FAILED FOR OMPBM WITH ABEND=nnnn</td>
<td>INSP module OMPBM could not be loaded.</td>
<td>The command does not execute.</td>
<td>Refer to the IBM system codes manual for an explanation of the abend code.</td>
</tr>
<tr>
<td>IN0904</td>
<td>INSPECT ERROR CODE nn</td>
<td>An internal error occurred on the INSP command. The error code is nn.</td>
<td>The command does not execute.</td>
<td>Call IBM Software Support for assistance.</td>
</tr>
</tbody>
</table>
Chapter 8. K and L Messages

KCG00001  KCG STARTING
Explanation:
The agent that monitors cryptographic coprocessors and services has been started.
System action:
Agent initialization proceeds.
User response:
None required. Message is informational.

KCG0002F  UNABLE TO ACQUIRE AGENT LOCK
Explanation:
A serialization lock could not be acquired.
System action:
The monitoring agent fails initialization and terminates execution.
User response:
Contact IBM Software Support and report the error. Provide the output of RKLVLOG.
Fatal error.

KCG0003F  UNABLE TO INITIALIZE LOCK
WORD ERRNO = return_code
Explanation:
An attempt to initialize a serialization lock failed.
System action:
The monitoring agent fails initialization and terminates execution.
User response:
Contact IBM Software Support and report the error. Provide the output of RKLVLOG.
Fatal error.

KCG0005F  UNABLE TO INITIALIZE CONDITION
WORD ERRNO = return_code
Explanation:
An attempt to initialize a condition word (ECB) failed.
System action:
The monitoring agent fails initialization and terminates execution.
User response:

KCG0007E  INVALID WAIT SECONDS = invalid_value. DEFAULTING TO default_maximum.
Explanation:
The maximum wait time specified for the KCGWAIT= parameter in the hilev.rte.RKANPARU(KDSENV) member is invalid.
System action:
The default maximum value, specified in the message, is used and the agent initialization continues.
User response:
Update the hilev.rte.RKANPARU(KDSENV) member to specify a valid value for the maximum wait time in seconds. Acceptable values are 1-30 seconds.
Error.

KCG0010W  UNABLE TO ACCESS ICSF ADDRESS SPACE (control_block_name)
Explanation:
The monitoring agent failed to access data in a control block of the Integrated Cryptographic Service Facility (ICSF) address.
System action:
The data sample returns incomplete information, and data collection processing continues.
User response:
Verify that the ICSF subsystem is running. If it has not
KCG0020I  CONNECTION TO ICSF ESTABLISHED

Explanation:
The monitoring agent successfully established a cross-memory connection to the Integrated Cryptographic Service Facility (ICSF) subsystem address space.

System action:
The agent proceeds to sample data and inspect ICSF control blocks to satisfy monitoring queries.

User response:
None required.

KCG0021W  ICSF (CCVT) NOT FOUND

Explanation:
An attempt to query the contents of the cryptographic services communications vector (CCVT) failed. This global control block could not be located in common storage.

System action:
The agent proceeds to sample data and inspect Integrated Cryptographic Service Facility (ICSF) control blocks to satisfy monitoring queries.

User response:
None required.

KCG0022W  KM5EXIT3 NOT INSTALLED IN ICSF

Explanation:
An attempt to query cryptographic activity failed. Control blocks and service call exits installed by load module KM5EXIT3 could not be located. This failure to access control blocks indicates that the Integrated Cryptographic Service Facility (ICSF) initialization exit KM5EXIT3 has not been installed in the ICSF subsystem.

System action:
The agent continues to execute, and periodically tries to monitor cryptographic activity in the ICSF subsystem.

User response:
Review the CSFPARM input parameters for the ICSF subsystem to ensure that the KM5EXIT3 exit is specified. Recycle the ICSF subsystem to install the required control blocks and service call exits.

Warning.

KCG0023W  INVALID CSFINSW2, EXPECTED KCGCVT

Explanation:
An attempt to query cryptographic activity failed. Control blocks and service call exits installed by load module KM5EXIT3 could not be located. This failure to access control blocks indicates that the Integrated Cryptographic Service Facility (ICSF) initialization exit KM5EXIT3 has not been installed in the ICSF subsystem.

System action:
The agent continues to execute, and periodically tries to monitor cryptographic activity in the ICSF subsystem.

User response:
Review the CSFPARM input parameters for the ICSF subsystem to ensure that the KM5EXIT3 exit is specified. Recycle the ICSF subsystem to install the required control blocks and service call exits.

Warning.

KCG0024W  VERSION MISMATCH KM5EXIT3 = version_level KM5 AGENT = version_level

Explanation:
An attempt to query cryptographic activity failed. Control blocks and service call exits were installed correctly by load module KM5EXIT3, but the KM5EXIT3 load module and the KM5 agent originate from incompatible releases or maintenance levels.

System action:
The agent continues to execute, and periodically tries to monitor cryptographic activity in the ICSF subsystem.

User response:
Ensure that the agent and the KM5EXIT3 load module are at the same maintenance level. Verify that the copy of the KM5EXIT3 load module loaded by the ICSF subsystem is up-to-date. If KM5EXIT3 has been updated recently, recycle the Integrated Cryptographic Service Facility (ICSF) subsystem to reload the updated version. If the agent has been updated, you must also recycle the agent.

Warning.

KCG0025W  MONITORING IS DISABLED IN ICSF

Explanation:
An attempt to query cryptographic activity failed. Control blocks and service call exits were installed
correctly by load module KM5EXIT3, but monitoring is disabled.

**System action:**
The agent continues to execute, and periodically tries to monitor cryptographic activity in the Integrated Cryptographic Service Facility (ICSF) subsystem.

**User response:**
Refer to messages issued from the ICSF subsystem to determine the cause of the error. If necessary, recycle the ICSF subsystem to clear the error and restart monitoring.

**Warning.**

---

**KCG0030W**  UNABLE TO CONNECT TO ICSF

**Explanation:**
An attempt to query cryptographic activity failed. A cross-memory ALET could not be established with the Integrated Cryptographic Service Facility (ICSF) subsystem, indicating that the subsystem was stopped or has terminated abnormally. A positive value for the reason code indicates an error as documented for ALESERV ADD macro return codes. A value of -99 indicates that the ICSF subsystem could not be found.

**System action:**
The agent continues to execute, and periodically tries to monitor cryptographic activity in the ICSF subsystem.

**User response:**
Verify that the ICSF subsystem is running. If it has not been started, was stopped, or has terminated abnormally, restart the ICSF subsystem address space.

**Warning.**

---

**KCG0040E**  CANNOT FIND KCG ANCHOR. ICSF ACCESS CANCELLED.

**Explanation:**
An internal error occurred during an attempt to access data in the Integrated Cryptographic Service Facility (ICSF) subsystem.

**System action:**
The agent aborts cross-memory access and continues to monitor cryptographic activity.

**User response:**
Contact IBM Software Support and report the error. Provide the output of RKLVLOG.

**Warning.**

---

**KCG0043E**  CANNOT FIND KCG ANCHOR. ICSF ACCESS CANCELLED.

**Explanation:**
An internal error occurred during an attempt to access data in the Integrated Cryptographic Service Facility (ICSF) subsystem.

**System action:**
The agent aborts cross-memory access and continues to monitor cryptographic activity.

**User response:**
Contact IBM Software Support and report the error. Provide the output of RKLVLOG.

**Warning.**

---

**KCG0044F**  CANNOT FIND KCG ANCHOR.

**Explanation:**
An internal error occurred during startup of the main
**KCG0060F**  CANNOT ACQUIRE SHUTDOWN LOCK.  ERRNO = error_number

**Explanation:**
An internal error occurred while attempting to acquire a serialization lock used for shutdown detection.

**System action:**
The agent initiates termination of monitoring.

**User response:**
Contact IBM Software Support and report the error. Provide the output of RKLVLOG.

---

**KCG0061E**  CANNOT ACQUIRE SVCDET LOCK.  ERRNO = error_number

**Explanation:**
An internal error occurred while attempting to acquire a serialization lock used for temporary suspension of data collection during a service call performance query.

**System action:**
The agent initiates termination of monitoring.

**User response:**
Contact IBM Software Support and report the error. Provide the output of RKLVLOG.

---

**KCG0062E**  CANNOT ACQUIRE TOPUSER LOCK.  ERRNO = error_number

**Explanation:**
An internal error occurred while attempting to acquire a serialization lock used for temporary suspension of data collection during a query for top user performance.

**System action:**
The agent initiates termination of monitoring.

**User response:**
Contact IBM Software Support and report the error. Provide the output of RKLVLOG.

---

**KCG0070E**  UNABLE TO CONVERT TIME UNITS

**Explanation:**
An internal error occurred while attempting to convert a CPU clock word to the Greenwich Mean Time (GMT) associated with a service call observation.

**System action:**
The agent ignores the service call observation and proceeds to the next observation.

**User response:**
Contact IBM Software Support and report the error. Provide the output of RKLVLOG. Message Type: Error

---

**KCG0071E**  UNABLE TO DETERMINE SERVICE INDEX, EXIT = service_call_exit_name

**Explanation:**
An internal error occurred while attempting to determine the service call index number.

**System action:**
The agent ignores the performance call observation and proceeds to the next observation.

**User response:**
Contact IBM Software Support and report the error. Provide the output of RKLVLOG.

---

**KCG0073W**  SERVICE TIME TOO LARGE SVC = service_call_exit_name TIME = number_of_milliseconds

**Explanation:**
A service call ran longer than the maximum time that can be recorded in a 32-bit word.

**System action:**
The agent ignores the performance call observation and proceeds to the next observation.

**User response:**
Contact IBM Software Support and report the error. Provide the output of RKLVLOG.

---

**KCG0080W**  OVERRUN DETECTED CSR = %x STATUS = %y ISNO = %d

**Explanation:**
An overrun condition has been detected. The address of the current internal queue cursor is %x, the queue...
element status is %y, and the observation sequence number is %d.

**System action:**
The potentially corrupted observation is ignored.

**User response:**
No response is required. This warning message indicates a recoverable condition, but you should be concerned if a large number of these overruns are detected. If this message is issued frequently, call IBM Software Support for further assistance.

**Warning.**

---

**KCG9999I  KCG TERMINATING**

**Explanation:**
The agent that monitors cryptographic coprocessors and services is being terminated.

**System action:**
Agent termination proceeds.

**User response:**
None required.

**Informational.**

---

**KCGX030I  CRYPTOGRAPHY MONITORING STARTED**

**Explanation:**
During Integrated Cryptographic Service Facility (ICSF) startup, monitoring exits have been installed, and control blocks required for monitoring of cryptographic activity have been established.

**System action:**
ICSF initialization completes.

**User response:**
None required.

**Informational.**

---

**KCGX031E  ANCHOR ALLOCATION FAILED**

**Explanation:**
An attempt to allocate memory for control blocks in the Integrated Cryptographic Service Facility (ICSF) address space failed. These control blocks must be allocated to record real-time service call performance data.

**System action:**
The KM5EXIT3 load fails to establish a performance monitoring environment and disables monitoring. The attempt by the agent to query performance information will fail, and reported data will be incomplete.

**User response:**
Determine why the control blocks could not be allocated. Verify that sufficient extended virtual storage (above the 16MB line) is available for the ICSF subsystem. Recycle the ICSF subsystem after removing memory constraints.

**Error.**

---

**KCGX034F  ICSF EXIT TABLE IS EMPTY**

**Explanation:**
An attempt to read the ICSF exit table (CSFENT) failed because no entries were found in the table. This unexpected condition might be caused by corruption of the internal Integrated Cryptographic Service Facility (ICSF) subsystem control block.

**System action:**
The KM5EXIT3 exit fails to install the service call exits. Performance monitoring is disabled.

**User response:**
Apply the latest level of maintenance and recycle the ICSF subsystem with an updated KM5EXIT3 load module. Determine why the exit table is empty. Contact IBM Software Support to report the error and receive further assistance.

**Fatal error.**

---

**KCGX035W  EXIT = exit_name NOT FOUND**

**Explanation:**
The specified service call exit could not be found. Service call exits are installed by the KM5EXIT3 load module during Integrated Cryptographic Service Facility (ICSF) subsystem startup to capture performance data whenever service calls are issued. The error can occur when IBM removes support for a specific service call exit.

**System action:**
Performance monitoring for the associated service call is ignored. Installation of other service call exits proceeds.

**User response:**
Verify that the current level of product maintenance has been applied. Contact IBM Software Support and provide the text of the message indicating the missing service call exit.

**Warning.**
A user-defined Integrated Cryptographic Service Facility (ICSF) exit has been found and replaced by a performance monitoring exit. The name of the user-defined exit load module is cccccccc. OMEGAMON XE on z/OS requires the use of ICSF service call exits, CSFEXIT3 and CSFEXIT4, for monitoring of service call performance.

**System action:**
The user-defined exit is replaced by the product exit.

**User response:**
Determine whether you can use an alternative ICSF exit for your purpose. If so, update the ICSF startup parameters to redirect the exit to one of the exits not used by the monitoring agent, and recycle the ICSF address space. You may need to reprogram the exit. Consult the ICSF documentation for further details.

**Warning.**

The profile export was unable to complete properly due to an error.

**System action:**
Profile is not exported to the requested dataset member.

**User response:**
See the CANSM2 RKLVLOG for a more detailed message describing the error.

The profile export was completed successfully.

**System action:**
Profile is exported to the dataset specified in the command parameter list.

**User response:**
None.

The historical data interface task of OMEGAMON II for MVS has become active and is ready to handle requests from the associated CANSM2 region.

**System action:**
None.

**User response:**
None.

The historical data interface task of the CANSM2 region is shutting down after receiving a STOP MVS command from the console.

**System action:**
None.

**User response:**
None.

The historical data interface task is terminating because its associated CANSM2 region has sent it a shutdown request.

**System action:**
None.

**User response:**
None.

The profile export was completed successfully.

**System action:**
Profile is exported to the dataset specified in the command parameter list.

**User response:**
None.
KM2DI99 REASON (xxxx) SESSION (xxxxxxxx)
HANDLE (xxxxxxxx)

Explanation:
The historical data interface is terminating after
detecting a non-recoverable condition. These two
messages are produced together in the order shown.
The reason code defines the problem for the user. The
SESSION and HANDLE values are the CANSM2
session handle and cross memory handle, respectively.

System action:
The task is shut down.

User response:
Remedy the error condition and restart the region. If
the error persists, call IBM Software Support. Have the
sysout from both this task and the associated CANSM2
task available for reference.

Note that in the reason codes listed in the following
table, the first digit may or may not be an 8. (An 8 at
the beginning is a secondary indicator that helps IBM
Software Support determine which routine issued the
return code.)

<table>
<thead>
<tr>
<th>Reason Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0004</td>
<td>The CANSM2HD side has reset itself.</td>
</tr>
<tr>
<td>0008</td>
<td>CANSM2HD not ready to handle caller.</td>
</tr>
<tr>
<td>000C</td>
<td>Error state.</td>
</tr>
<tr>
<td>0010</td>
<td>Bad handle detected.</td>
</tr>
<tr>
<td>0014</td>
<td>Bad entry code.</td>
</tr>
<tr>
<td>0018</td>
<td>SSCVT value already in use.</td>
</tr>
<tr>
<td>001C</td>
<td>Unexpected return code from IEFSSREQ.</td>
</tr>
<tr>
<td>0020</td>
<td>SSCTSUSE contains zero.</td>
</tr>
<tr>
<td>0024</td>
<td>Invalid communication between CANSM2HD and CANSM2.</td>
</tr>
<tr>
<td>0028</td>
<td>GETMAIN failed.</td>
</tr>
<tr>
<td>002C</td>
<td>GETMAIN failed.</td>
</tr>
<tr>
<td>0030</td>
<td>FREEMAIN failed.</td>
</tr>
<tr>
<td>0034</td>
<td>Inquire failed.</td>
</tr>
<tr>
<td>0038</td>
<td>WAIT failed.</td>
</tr>
<tr>
<td>003C</td>
<td>POST failed due to zero ECB pointer.</td>
</tr>
<tr>
<td>0040</td>
<td>POST failed due to bad ASCB.</td>
</tr>
<tr>
<td>0044</td>
<td>POST failed due to missing ASCB.</td>
</tr>
<tr>
<td>0048</td>
<td>SUSE is too small to use.</td>
</tr>
<tr>
<td>004C</td>
<td>Not APF authorized.</td>
</tr>
</tbody>
</table>

KM2MPFF PROFILE IMPORT FAILED

Explanation:
The profile import was unable to complete properly
due to an error.

System action:
Profile is not imported from the requested dataset
member.

User response:
See the CANSM2 RKLVLOG for a more detailed
message describing the error.

KM2MP00 PROFILE IMPORT COMPLETED SUCCESSFULLY

Explanation:
The profile import was completed successfully.

System action:
Profile is imported from the dataset specified in the
command parameter list.

User response:
None.

KM2LLT02 Link List not Updated

Explanation: While attempting to switch the Link List
table, OMEGAMON encountered an error. See other
messages for more information.

System action: Processing continues without replacing
the Link List table.

User response: Look for other error messages.

KM2LLT03 Error opening PDS

Explanation: While attempting to switch the Link List
table, OMEGAMON tried to open the SYS1.PARMLIB
dataset, and an error occurred.

System action: Processing continues without replacing
the Link List table.
User response: Try to determine why the SYS1.PARMLIB dataset could not be opened.

KM2LLT04 Error during STARTREQ/IEASYSxx

Explanation: While attempting to switch the Link List table, OMEGAMON found a problem processing the IEASYSxx member of SYS1.PARMLIB.

System action: Processing continues without replacing the Link List table.

User response: Try to determine if there is a problem with the IEASYSxx member.

KM2LLT05 Error locating IEASYS member

Explanation: While attempting to switch the Link List table, OMEGAMON could not locate the member IEASYSxx in SYS1.PARMLIB.

System action: Processing continues without replacing the Link List table.

User response: Try to determine why the IEASYSxx member could not be found.

KM2LLT06 Unknown LNKAUTH= value

Explanation: While attempting to switch the Link List table, OMEGAMON could not determine the value of the LNKAUTH parameter in the IEASYSxx member of SYS1.PARMLIB.

System action: Processing continues without replacing the Link List table.

User response: Try to determine why the LNKAUTH value has a problem.

KM2LLT10 Error during ENDREQ/IEASYSxx

Explanation: While attempting to switch the Link List table, OMEGAMON found a problem processing the IEASYSxx member of SYS1.PARMLIB.

System action: Processing continues without replacing the Link List table.

User response: Try to determine if there is a problem with the IEASYSxx member.

KM2LLT11 Error during STARTREQ/LNKLSTxx

Explanation: While attempting to switch the Link List table, OMEGAMON found a problem processing the LNKLSTxx member of SYS1.PARMLIB.

System action: Processing continues without replacing the Link List table.

User response: Try to determine if there is a problem with the LNKLSTxx member.

KM2LLT12 LNKLST member not found.

Explanation: While attempting to switch the Link List table, OMEGAMON could not locate the member LNKLSTxx in SYS1.PARMLIB.

System action: Processing continues without replacing the Link List table.

User response: Try to determine why the LNKLSTxx member could not be found.

KM2LLT13 Error: Dataset name length invalid.

Explanation: While attempting to switch the Link List table, OMEGAMON encountered a problem while parsing the value of the DSNNAME parameter in the LNKLST member of SYS1.PARMLIB.

System action: Processing continues without replacing the Link List table.

User response: Try to determine if there is a potential problem with the DSNNAME parameter.

KM2LLT15 TBADD failure

Explanation: While attempting to switch the Link List table, OMEGAMON encountered an internal error.

System action: Processing continues without replacing the Link List table.

User response: Contact IBM Support.

KM2LLT16 Errors encountered TBADDing DSN Table

Explanation: While attempting to switch the Link List table, OMEGAMON encountered an internal error.

System action: Processing continues without replacing the Link List table.

User response: Contact IBM Support.

KM2LLT17 Error during ENDREQ/LNKLSTxx

Explanation: While attempting to switch the Link List table, OMEGAMON found a problem processing the LNKLSTxx member of SYS1.PARMLIB.

System action: Processing continues without replacing the Link List table.

User response: Try to determine if there is a problem with the LNKLSTxx member.

KM2LLT18 I/O error during $PAM GETASIS

Explanation: While attempting to switch the Link List table, OMEGAMON encountered an error while processing the LNK or LNKAUTH parameter in the IEASYSxx member of SYS1.PARMLIB.
**km2llt19 km2llt29**

**System action:** Processing continues without replacing the Link List table.

**User response:** Try to determine if there is a problem with the LNK or LNKAUTH parameter.

---

**km2llt19 LNKLSTxx member**

**Explanation:** While attempting to switch the Link List table, OMEGAMON determined that the LNKLSTxx member of SYS1.PARMLIB was empty.

**System action:** Processing continues without replacing the Link List table.

**User response:** Try to determine why the LNKLSTxx member is empty, and correct the problem.

---

**km2llt22 LNK= too short**

**Explanation:** While attempting to switch the Link List table, OMEGAMON determined that there was a problem with the LNK parameter of the LNKLSTxx member of SYS1.PARMLIB, specifically that the value of the LNK parameter is shorter than expected.

**System action:** Processing continues without replacing the Link List table.

**User response:** Try to determine and correct the problem with the LNK parameter.

---

**km2llt23 LNK= too long**

**Explanation:** While attempting to switch the Link List table, OMEGAMON determined that there was a problem with the LNK parameter of the LNKLSTxx member of SYS1.PARMLIB, specifically that the value of the LNK parameter is longer than expected.

**System action:** Processing continues without replacing the Link List table.

**User response:** Try to determine and correct the problem with the LNK parameter.

---

**km2llt24 Error: null entry in LNK subvalue**

**Explanation:** While attempting to switch the Link List table, OMEGAMON determined that there was a problem with a LNK parameter sub-value of the LNKLSTxx member of SYS1.PARMLIB, specifically that a blank was found in the LNK parameter value where one was not expected.

**System action:** Processing continues without replacing the Link List table.

**User response:** Try to determine why the LNK parameter is correct.

---

**km2llt25 unexpected blank in LNK=**

**Explanation:** While attempting to switch the Link List table, OMEGAMON determined that there was a problem with the LNK parameter of the LNKLSTxx member of SYS1.PARMLIB, specifically that a blank was found in the LNK parameter value where one was not expected.

**System action:** Try to determine and correct the problem with the LNK parameter.

**User response:** Try to determine if the LNK parameter is correct.

---

**km2llt26 LNK= subvalue too long**

**Explanation:** While attempting to switch the Link List table, OMEGAMON determined that there was a problem with a LNK parameter sub-value of the LNKLSTxx member of SYS1.PARMLIB, specifically that the LNK parameter subvalue is longer than expected.

**System action:** Processing continues without replacing the Link List table.

**User response:** Try to determine and correct the problem with the LNK parameter.

---

**km2llt27 Too many LNK= subvalues**

**Explanation:** While attempting to switch the Link List table, OMEGAMON determined that there was a problem with a LNK parameter of the LNKLSTxx member of SYS1.PARMLIB, specifically that there were too many LNK parameter subvalues.

**System action:** Processing continues without replacing the Link List table.

**User response:** Try to determine and correct the problem with the LNK parameter.

---

**km2llt28 LNK= blank continuation**

**Explanation:** While attempting to switch the Link List table, OMEGAMON determined that there was a problem with a LNK parameter sub-value of the LNKLSTxx member of SYS1.PARMLIB, specifically that a continuation character was expected but not found.

**System action:** Processing continues without replacing the Link List table.

**User response:** Try to determine and correct the problem with the LNK parameter.

---

**km2llt29 LNK= EOF continuation**

**Explanation:** While attempting to switch the Link List table, OMEGAMON determined that there was a problem with a LNK parameter sub-value of the LNKLSTxx member of SYS1.PARMLIB.
KM2LLT30  Unexpected EOF on LNKLSTxx
Explanation: While attempting to switch the Link List table, OMEGAMON determined that there was a problem with a LNK parameter sub-value of the LNKLSTxx member of SYS1.PARMLIB, specifically that end of file was reached before the parameter could be completely parsed.
System action: Processing continues without replacing the Link List table.
User response: Try to determine and correct the problem with the LNK parameter.

KM2LLT31  LNK= missing parenthesis
Explanation: While attempting to switch the Link List table, OMEGAMON determined that there was a problem with a LNK parameter sub-value of the LNKLSTxx member of SYS1.PARMLIB, specifically that there is a missing parenthesis.
System action: Processing continues without replacing the Link List table.
User response: Try to determine and correct the problem with the LNK parameter.

KM2LLT32  Duplicate LNK= parameters
Explanation: While attempting to switch the Link List table, OMEGAMON determined that there was a problem with a LNK parameter of the LNKLSTxx member of SYS1.PARMLIB, specifically that there are more than one LNK parameters present.
System action: Processing continues without replacing the Link List table.
User response: Try to determine and correct the problem with the LNK parameter.

KM2LLT33  Duplicate LNKAUTH= parameters
Explanation: While attempting to switch the Link List table, OMEGAMON determined that there was a problem with a LNKAUTH parameter of the LNKLSTxx member of SYS1.PARMLIB, specifically that there are more than one LNKAUTH parameters present.
System action: Processing continues without replacing the Link List table.
User response: Try to determine and correct the problem with the LNKAUTH parameter.

KM2LLT35  Invalid volser length
Explanation: While attempting to switch the Link List table, OMEGAMON could not determine the VOLSER of the SYS1.PARMLIB dataset.
System action: Processing continues without replacing the Link List table.
User response: Contact IBM support.

KM2LLT36  TBBottom failed
Explanation: While attempting to switch the Link List table, OMEGAMON encountered an internal error.
System action: Processing continues without replacing the Link List table.
User response: Contact IBM Support.

KM2LLT37  Error during symbol translation
Explanation: While attempting to switch the Link List table, OMEGAMON encountered a problem doing symbolic substitution while calling the IBM service routine ASASYMBM.
System action: Processing continues without replacing the Link List table.
User response: Contact IBM Support.

KM3IN001I  NO CPU ACTIVITY WAS DETECTED BY INSPECT
Explanation:
The inspect agent did not see any CPU activity when it looked at the target address space. The target address space may be consuming CPU time but inspect only considers it if it sees the address space executing during a sample since it needs to assign the CPU time to a component within the address space.
System action:
None
User response:
Refresh the workspace to run inspect again.

KM3IN002E  ASID PASSED TO INSPECT IS ZERO
Explanation:
The address space ID (ASID) passed to the inspect agent by the query was zero. Either the inspect workspace was invoked from the physical navigation tree or the ASID was not assigned to the query by the link.
System action:
No data is returned.
User response:
Determine why the ASID value being passed to the query is zero. Possibly the workspace linkage has been changed.

**KM3IN003E ASID PASSED TO INSPECT IS INVALID**

**Explanation:**
The address space ID (ASID) passed to the inspect agent by the query was not a valid address space number on the z/OS system. The link to the inspect workspace may be assigning the incorrect field to the ASID parameter of the query.

**System action:**
No data is returned.

**User response:**
Determine why the ASID value being passed to the query is invalid. Possibly the workspace linkage has been changed.

**KM3IN004I ADDRESS SPACE PRIORITY GREATER THAN INSPECT**

**Explanation:**
The priority of the target address space is greater than that of the Tivoli Enterprise Management Server in which the inspect agent is executing. Inspect may not obtain enough CPU cycles to collect a reasonable sample of data from the target address space.

**System action:**
Processing continues.

**User response:**
Determine why the ASID value being passed to the query is invalid. Possibly the workspace linkage has been changed.

**KM3IN005I DATA COLLECTION MAY BE INCOMPLETE**

**Explanation:**
Part two of message KM3IN004I, informing the user of the consequences of the priority difference.

**System action:**
Processing continues.

**User response:**
None

**KM3IN006E SAMPLER TASK ABENDED WITH CODE code**

**Explanation:**
The inspect agent sampler program task abended with the specified code.

**System action:**
No data is returned.

**User response:**
Determine the cause of the abend and possibly obtain a system dump of the abend.

**KM3IN007E SELECTED JOB NOT IN TARGET ADDRESS SPACE**

**Explanation:**
The Inspect agent will check that the job name passed is executing within the target address space ID (ASID). If not either the wrong job name or ASID was passed by the link to the workspace or the job may have ended. If the job has not ended, check that the link to the Inspect workspace is passing the correct values to the inspect query.

**System action:**
No data is returned.

**User response:**
If the job has not ended, check that the link to the Inspect workspace is passing the correct values to the inspect query.

**KM3IN008I GRANULARITY SET TO size**

**Explanation:**
The Inspect agent attempts to limit the amount of detail returned to the client to about 100 rows of data by dynamically calculating the “grain” size used split each CSECT of code into blocks to which CPU activity is attributed.

Since the user cannot know in advance how diverse the execution activity map will be, nor the sizes of the load modules and CSECT that have activity, nor even which modules and CSECTs will have activity, it is not reasonable to allow the user to set this parameter before the inspect agent is executed, therefore the inspect agent attempts to calculate a suitable size once all the inspect data has been collected.

Size is displayed as a hexadecimal value.

**System action:**
Processing continues.

**User response:**
Processing continues.

**User response:**
None

**KM3IN009E ATTACH OF program FAILED WITH RC=rc**

**Explanation:**
The inspect agent attempted to attach the Inspect sampling program as a separate MVS task within the
KM3IN010I • KM3IN016E

Tivoli Enterprise Monitoring Server address space but the ATTACH failed with return code rc.

**System action:**
No data is returned.

**User response:**
Determine the meaning of the return code for the ATTACH function and correct the error.

---

**KM3IN011I INSPECT WAS NOT EXECUTED**

**Explanation:**
Part two of messages KM3IN009E and KM3IN011E, explaining that no data was collected because of the error reported by the previous message.

---

**KM3IN011E UNABLE TO LOAD program**

**Explanation:**
The Inspect agent attempted to load the inspect sampling program program but the load operation failed.

**System action:**
No data is returned.

**User response:**
Determine the cause of the failure to load program by scanning the Tivoli Enterprise Monitoring Server and z/OS logs for any appropriate messages.

---

**KM3IN012E OPEN ERROR FOR DATASET dsn**

**Explanation:**
The Inspect agent attempts to obtain CSECT information for each load module by accessing load libraries allocated to the job step TCB of the target address space.

The Inspect agent was unable to open the specified dataset.

**System action:**
Processing continues.

**User response:**
The person responsible for Tivoli Enterprise Management Server operations on the target host should browse the Tivoli Enterprise Management Server and z/OS logs to determine the cause of the failure.

---

**KM3IN015E UNABLE TO READ DSCB FOR dsn**

**Explanation:**
The Inspect agent attempts to obtain CSECT information for each load module by accessing load libraries allocated to the job step TCB of the target address space.

The Inspect agent was unable to read the format 1 DSCB for the specified dataset.

**System action:**
Processing continues.

**User response:**
The person responsible for Tivoli Enterprise Management Server operations on the target host should browse the Tivoli Enterprise Management Server and z/OS logs to determine the cause of the failure.

---

**KM3IN016E UNABLE TO SUPPORT PDSE dsn**

**Explanation:**
The Inspect agent attempts to obtain CSECT information for each load module by accessing load libraries allocated to the job step TCB of the target address space.

The Inspect agent determined that the specified dataset was a PDSE but the IEWBIND program could not be loaded by the Inspect agent.

**System action:**
Processing continues.

**User response:**
The person responsible for Tivoli Enterprise Monitoring Server operations on the target host should browse the
Tivoli Enterprise Monitoring Server and z/OS logs to determine why IEWBIND could not be located by the inspect agent

---

**KM50100I**  
**OMEGAMON II TERMINATION EXIT SUCCESSFULLY ESTABLISHED**

**Explanation:** The OMEGAMON II for OS/390 termination exit used to clean up resources at TEMS termination has been established.

**System action:** None.

**User response:** None required.

---

**KM50101I**  
**RMF MONITOR II API SUCCESSFULLY LOADED**

**Explanation:** The RMF Monitor II API used by OMEGAMON II for OS/390 probe KM2xxxxx has been successfully loaded for use.

**System action:** None.

**User response:** None required.

---

**KM50102I**  
**DEVOTION INTERVAL IN M3KMASTR=XXXXXXXX**

**Explanation:** The Execution Data Collector (EXDC) component has established the interval for which Impact Analysis monitoring of an address space, or service class, will be maintained before being switched off. This provides performance benefits by establishing a finite amount of time during which resource intensive operations take place. xxxxxxxx is the interval in seconds.

**System action:** None.

**User response:** None required.

---

**KM50103I**  
**KXDXXXXX LOADED AT:XXXXXXXX**

**Explanation:** The Execution Data Collector (EXDC) component load module KXDxxxxxx has been loaded at storage address xxxxxxxx. This message provides diagnostic information for IBM support personnel in the event that a problem is reported by the customer.

**System action:** None.

**User response:** None required.

---

**KM50104I**  
**KXDM3KCO: ALLOCATED AT:XXXXXXXX, SIZE: XXXXXXXX**

**Explanation:** The Execution Data Collector (EXDC) data area cccccccc has been allocated at location xxxxxxxx by routine KXDyyyyy in load module KXDxxxxx. This message provides diagnostic information for IBM support personnel in the event that a problem is reported by the customer.

**System action:** None.

**User response:** None required.

---

**KM50110I**  
**KXD3KCO: STARTING KM3AGENT**

**Explanation:** The OMEGAMON XE on z/OS agent that supplies data to the Tivoli Enterprise Data Server is about to be initialized.
Explanation: The enclave SRB running code redirected to a zIIP processor has terminated abnormally.

System action: The SRB scheduling service intercepts the SRB completion, abend, and abend reason codes. The Abend Code, Abend Reason Code, PSW and General Purpose Registers 0 through 15 at the time of the abend are displayed along with the message text.

User response: Print the RKLVLOG and contact IBM support.

Explanation: The function redirecting processing to a zIIP processor has encountered a problem from which it cannot recover.

System action: Redirection of processing as an enclave SRB to a zIIP processor is abandoned and the function reverts to running code on a standard CP in task-mode. This message is immediately preceded by either message KM50120E or KM50135E.

User response: Print the RKLVLOG and contact IBM support.

Explanation: An attempt to free storage used for the zIIP redirection enclave SRB Resource Manager Termination Routine (RMTR) failed with the displayed return code.

System action: Termination of the Tivoli Enterprise Monitoring Server function continues.

User response: If the problem persists, print the RKLVLOG and contact IBM support.

Explanation: An attempt to delete the enclave used for the zIIP redirection during termination failed with the displayed return and reason codes.

System action: None.

User response: None.
KM50128E  KXDWLUCB: KXDUCBZI: IWM4ECRE
FAILED ATTEMPTING TO CREATE
ENCLAVE. RC=xxxxxxxx, RSN=xxxxxxxx.

Explanation: An attempt to create the enclave used for
the zIIP redirection failed with the displayed return
and reason codes.

System action: Initialization of the Tivoli Enterprise
Monitoring Server function continues without
redirecting selected processing to a zIIP processor.

User response: If the problem persists, print the
RKLVLOG and contact IBM support.

KM50129E  KXDWLUCB: KXDUCBZI: FAILURE
ATTEMPTING TO REDIRECT TO ZIIP.
RC=xxxxxxxx, RSN=xxxxxxxx.

Explanation: An attempt to establish zIIP redirection
using an internal service failed with the displayed
return and reason codes.

System action: Initialization of the Tivoli Enterprise
Monitoring Server function continues without
redirecting selected processing to a zIIP processor.

User response: If the problem persists, print the
RKLVLOG and contact IBM support.

KM50130I  KXDWLUCB: KXDUCBZI: NO ZIIPS
CONFIGURED. REDIRECTION TO
ZIIP ENCLAVE STILL ACTIVE FOR
PROJECTCPU.

Explanation: No zIIPs are configured to the logical
partition, but the operating system supports zIIPs and
PROJECTCPU=YES is specified in the
SYS1.PARMLIB IEAOPT member. zIIP redirection
processing is still established, with zIIP-eligible consumption by zIIP
 redirection SRBs on standard CPs maintained in
internal z/OS counters.

System action: Initialization of the Tivoli Enterprise
Monitoring Server function continues.

User response: None.

KM50131I  KXDWLUCB: KXDUCBZI: NO ZIIPS
CONFIGURED. PROJECTCPU
DISABLED.

Explanation: No zIIP processors are configured to the
logical partition and the operating system supports
zIIPs but PROJECTCPU=NO is specified in the
SYS1.PARMLIB IEAOPT member. zIIP redirection
processing is not attempted.

System action: The zIIP redirection enclave that has
already been established is deleted and initialization of
the Tivoli Enterprise Monitoring Server function
continues with no zIIP redirection.

User response: None.

KM50133E  KXDWLUCB: KXDUCBZI: ZIIP
REDIRECTION WILL NOT BE
ATTEMPTED.

Explanation: No zIIP processors are configured to the
logical partition and the operating system supports
zIIPs but PROJECTCPU=NO is specified in the
SYS1.PARMLIB IEAOPT member. zIIP redirection
processing is not attempted.

System action: The zIIP redirection enclave that has
already been established is deleted and initialization of
the Tivoli Enterprise Management Server function
continues with no zIIP redirection.

User response: None.

KM50134E  KXDWLUCB: KXDUCBZI: IWM4EDEL
FAILED ATTEMPTING TO DELETE
ZIIP ENCLAVE. RC=xxxxxxxx,
RSN=xxxxxxxx.

Explanation: An attempt to delete the enclave used
for the zIIP redirection during initialization failed with
the displayed return and reason codes. The decision to
not attempt zIIP redirection has already been made if
this message is issued.

System action: Initialization of the Tivoli Enterprise
Management Server function continues.

User response: If the problem persists, print the
RKLVLOG and contact IBM support.

KM50135E  KXDWLUCB: KXDUCBZI: IEAMSCHD
GENERAL FAILURE. RC=xxxxxxxx,

Explanation: The service used to schedule an SRB into
the enclave created for zIIP redirection purposes failed
with the displayed return code.

System action: The Tivoli Enterprise Monitoring
Server function continues processing but function
selected to run in an enclave SRB for zIIP redirection
purposes will be run in task mode without zIIP
 redirection being performed.

User response: If the problem persists, print the
RKLVLOG and contact IBM support.

KM50136E  KXDWLUCB: KXDUCBIN: NO ZIIP
OFFLOAD TO BE ATTEMPTED AT
USER REQUEST AS
ENVIRONMENTAL VARIABLE
“KM5ZIIPOFFLOAD” IS SET TO “N”.

Explanation: The environmental variable
KM5ZIIPOFFLOAD, available to control redirection of
selected function to a zIIP processor, has been specified
as “N”, or “n”, in the Tivoli Enterprise Monitoring
Server RKANPAR dataset member KDSENV. This
forces zIIP redirection initialization to be bypassed.

**System action:** The Tivoli Enterprise Monitoring Server function continues initialization, but no attempt is made to redirect selected processing to a zIIP processor.

**User response:** None, if zIIP redirection is not the desired option. Otherwise, the KM5ZIIPOFFLOAD environmental variable specification must be set to “Y” or “y” in the Tivoli Enterprise Monitoring Server RKANPAR dataset KDSENV. If the KM5ZIIPOFFLOAD environmental variable specification is omitted, the default action of redirecting selected function to a zIIP processor is performed.

---

**KM54025I USER=**username **CLASS=**classname **RESOURCE=**resourcename.

**Explanation:** This message displays the input to the command validation; the resourcename variable is in the format KM5.managed_system.function.value.

**System action:** None

**User response:** None

---

**KM54026I RACROUTE request REG15=r15 SAFPRRET=prret SAFPRREA=prrea SAFPSFRC=psfrc SAFPSFRS=psfrs.**

**Explanation:** This message displays the response from the last RACROUTE request, where the request is STAT, VERIFY, or AUTH.

**System action:** The security decision is made based upon this response.

**User response:** If diagnosing a validation error, refer to the Security Server RACROUTE Macro Reference manual to understand the return codes from the RACROUTE request.

---

**KM54027I USER=**username **RESULT=**text.

**Explanation:** This message displays the security decision. The text variable can be one of the following messages:

- USER IS AUTHORIZED FOR THIS ACTION
- VALIDATION NOT REQUESTED
- USER IS NOT AUTHORIZED FOR THIS ACTION
- NO SECURITY DECISION COULD BE MADE
- INVALID USER NAME PASSED
- INVALID RESOURCE NAME PASSED
- RESOURCE NAME IS TOO LONG FOR THIS CLASS
- INVALID CLASS SPECIFIED IN KDSENV FILE
- AGENT NOT APF AUTHORIZED
- ESM OR SPECIFIED CLASS INACTIVE
- SPECIFIED CLASS INACTIVE

**System action:** None

**User response:** If you are diagnosing a validation error, the decision based upon the RACROUTE request or an error unrelated to RACROUTE.

---

**KM5ACT010E Security Class not specified.**

**RKANPARU(KDSENV) parameter MK5_SECURITY_Action_Class is missing or null.**

**Explanation:** Issuing a Take Action command from the OMEGAMON enhanced 3270 user interface or a M5 command from the Tivoli Enterprise Portal requires a security class to be specified by the RKANPARU(KDSENV) parameter, KM5_SECURITY_Action_Class=; this parameter is missing or has a null value.

**System action:** The command processor terminates without running the Take Action or M5 command.

**User response:** Specify the RKANPARU(KDSENV) parameter, KM5_SECURITY_Action_Class= with the appropriate SAF security class. Contact IBM Software Support, for further assistance.

---

**KM5ACT011W SAF Security is not enabled or configured.**

**RKANPARU(KDSENV) parameter KM5_SECURITY_Action_Class=OMEGDEMO.**

**Explanation:** The Take Action commands from the OMEGAMON enhanced 3270 user interface and the M5 commands from the Tivoli Enterprise Portal are not secured. The RKANPARU(KDSENV) parameter, KM5_SECURITY_Action_Class=OMEGDEMO, is specified.

**System action:** The command processor executes the specified Take Action or M5 command.

**User response:** If your installation requires additional security for Take Action and M5 commands, specify the RKANPARU(KDSENV) parameter, KM5_SECURITY_Action_Class= with the appropriate SAF security class. Contact IBM Software Support, for further assistance.

---

**KM5AK010W There are no address spaces being monitored by a situation, i.e., no history eligible address spaces.**

**Explanation:** The Address Space Storage - Subpools and LSQA: Monitored Address Spaces workspace was selected, but there are no address spaces being
monitored, that is, no address space name is specified in a running situation using the Address Space Name attribute.

**System action:** The agent terminates without returning data.

**User response:** History recording is available for subpool and LSQA data only for address spaces that are being monitored by a running situation. The Address Space Storage - Subpools and LSQA: Monitored Address Spaces workspace reports on address spaces that are currently being monitored and are therefore “history eligible”. To monitor an address space, start a situation that uses the Address Space Name attribute from the KM5 Address Space Storage SubKey attribute group to specify the address space to be monitored.

---

**KM5AK015W** History cannot be collected for attribute group KM5 Address Space Storage SubKey during this interval: There are no history eligible address spaces, as none are being monitored by a situation.

**Explanation:** Historical data collection has been started for the KM5 Address Space Storage SubKey attribute group and there are no history-eligible address spaces. Address spaces are made history eligible by being monitored, that is, specified in a running situation using the Address Space Name attribute.

**System action:** No history data is collected for the KM5 Address Space Storage SubKey attribute group.

**User response:** If you want history collection to take place, start a situation that uses the Address Space Name attribute to specify the address spaces for which history is to be collected. If you do not want history collection to take place, stop history collection for the KM5 Address Space Storage SubKey attribute group using the Tivoli Enterprise Portal History Collection Configuration window.

---

**KM5AK020I** PEEK command failed: Address Space = (asname), ASID = (asid), PEEK Message = (OMEGAMON for MVS message).

**Explanation:** A request (realtime, situation, or history) for data from the KM5 Address Space Storage SubKey attribute group failed for the reason indicated in the OMEGAMON for MVS message number. The most common cause for failure of the command is an address space that is not currently running, which results in the OMEGAMON message text 088310: Job not found.

**System action:** The agent terminates processing for the identified address space without returning data.

**User response:** Determine if monitoring an address space that is not currently running is an acceptable condition. If this is an unexpected condition, contact IBM Software Support and report the error. Provide the output of RKLVLOG.

---

**KM5AK030E** Terminating processing for situation 'situation name'. Situations for attribute group KM5 Address Space Storage SubKey must specify the address space names to be monitored via the Address Space Name attribute.

**Explanation:** The situation indicated does not specify address space name or names to be monitored for attribute group KM5 Address Space Storage SubKey.

**System action:** No address spaces will be monitored. The agent terminates without returning data.

**User response:** Update the situation it to specify address space name or names to be monitored using the Address Space Name attribute.

---

**KM5AK040W** Maximum number of history eligible address spaces (64) for attribute group KM5 Address Space Storage SubKey has been reached.

**Explanation:** The number of address spaces that can be monitored for attribute group KM5 Address Space Storage SubKey is capped at the value shown to control resource consumption.

**System action:** No address spaces beyond the maximum number are monitored.

**User response:** Review the list of address spaces being monitored by navigating to the Address Space Storage - Subpools and LSQA: Monitored Address Spaces workspace. Update the situation monitoring this attribute group to refine the list of address spaces specified by the Address Space Name attribute.

---

**KM5P050E** Configuration Error: System system_name enqplex name exceeds 8

**Explanation:** The agent encountered an invalid enqplex name. This indicates an internal error.

**System action:** The agent is terminated.

**User response:** Contact IBM Software Support.

---

**KM5P051E** OMEGAMON architectural limit exceeded - more than n enqplex names have been encountered

**Explanation:** The maximum number of enqplexes has been exceeded. This may indicate an internal error.

**System action:** The agent is terminated.

**User response:** Contact IBM Software Support.
KM5P052E  •  KM5P064E

KM5P052E  OMEGAMON architectural limit exceeded – more than n plex hub names have been encountered
Explanation: The maximum number of plex hubs for one enqplex has been exceeded. This may indicate an internal error.
System action: The agent is terminated.
User response: Contact IBM Software Support.

KM5P053E  Configuration Error: System system_name occurs multiple times
Explanation: System names must be unique. The indicated system name was encountered more than once.
System action: The agent is terminated.
User response: Contact IBM Software Support.

KM5P054E  OMEGAMON architectural limit exceeded - more than n system names have been encountered for enqplex
Explanation: The maximum number of systems for one enqplex has been exceeded. This indicates an internal error.
System action: The agent is terminated.
User response: Contact IBM Software Support.

KM5P055E  Configuration Error: System system_name occurs in more than one enqplex. The enqplexes are: enqplex_names
Explanation: A system may not be part of more than one enqplex. The indicated system was encountered in more than one enqplex. This indicates an internal error.
System action: The agent is terminated.
User response: Contact IBM Software Support.

KM5P056E  setupMgblenqSQL failed, abandoning view
Explanation: Internal error.
System action: The agent is terminated.
User response: See accompanying messages and contact IBM Software Support.

KM5P057E  ProcessInput() failed, error return
Explanation: Internal error.
System action: The agent is terminated.
User response: See accompanying messages and contact IBM Software Support.

KM5P058E  DQSQLW problem; abandoning view
Explanation: Internal error.
System action: The agent is terminated.
User response: See accompanying messages and contact IBM Software Support.

KM5P059E  DQSQLW problem (NULL call); abandoning view
Explanation: Internal error.
System action: The agent is terminated.
User response: See accompanying messages and contact IBM Software Support.

KM5P060E  MENTRENQ query (Report==Y) being terminated by loop control
Explanation: Internal error.
System action: The agent is terminated.
User response: See accompanying messages and contact IBM Software Support.

KM5P061E  MENTRENQ query (Report!=Y) being terminated by loop control
Explanation: Internal error.
System action: The agent is terminated.
User response: See accompanying messages and contact IBM Software Support.

KM5P062E  Unable to create new Summary Output Row
Explanation: Internal error.
System action: The agent is terminated.
User response: See accompanying messages and contact IBM Software Support.

KM5P063E  Unable to create new Detail Output Row
Explanation: Internal error.
System action: The agent is terminated.
User response: See accompanying messages and contact IBM Software Support.

KM5P064E  All available n output rows used
Explanation: Internal error.
System action: The agent is terminated.
User response: See accompanying messages and contact IBM Software Support.
KM5PIR10E Number of arguments exceeds limit of 32, quitting.

Explanation: The arguments passed to the KM5PLEX manager, KM5PIR, contains more than the predefined limit of 32 arguments.

System action: The KM5PLEX agents are terminated to prevent potential storage overlays.

User response: Verify the format of the command in the KDSSTART member of the RKANCMDU library. The command should look something like the following:

F stcname,IRAMAN KM5PLEX command

If anything other than the parameter START, STOP, or SHUTDOWN is in the command area, remove it and attempt the command again.

KM5PIR11E Argument string length exceeds limit of 4096, quitting.

Explanation: The length of the arguments passed to the KM5PLEX manager, KM5PIR, exceeds the predefined limit of 4096 bytes.

System action: The KM5PLEX agents are terminated to prevent potential storage overlays.

User response: Verify the format of the command in the KDSSTART member of the RKANCMDU library. The command should look something like:

F stcname,IRAMAN KM5PLEX command

If anything other than the parameter START, STOP, or SHUTDOWN is in the command area, remove it and attempt the command again.

KM5PIR54I KM5PLEX agents version %s (Build Level %s) started.

Explanation: The z/OS KM5PLEX agent package has started. The message includes version number and build date and time.

KM5PIR57E Unable to allocate the PLEX status control block.

Explanation: An attempt to allocate storage for a common area needed by the KM5PLEX agents failed. The failure is an indication of a storage constraint on the started task.

System action: The KM5PLEX agents are terminated.

User response: Verify that the started task used to run the KM5PLEX agent is not constrained by any memory restrictions in the procedure. Verify the storage specifications in the KDSSYSIN member of RKANPARU.

KM5PIR58E Error <error_code> trying to find the PLEX status.

Explanation: The KM5PLEX IRA manager, KM5PIR, attempted to obtain the status information on the node that represents the enterprise-level z/OS node. The status returned was unexpected. The error code returned for the status request is displayed. The potential error codes are:

8  Error returned while trying to prepare the SQL statement.
12  Error returned while trying to create the request for the SQL statement.
16  Error returned while trying to open the request for the SQL statement.
20  Error returned while trying to obtain the output SQLDA area.

System action: The KM5PLEX agents are terminated.

User response: This error is an indication of either a failure to communicate with the hub Tivoli Enterprise Monitoring Server or an internal error. Verify that the hub Tivoli Enterprise Monitoring Server is running and that the HUB_NAME parameter properly identifies the hub. If not, resolve the error by restarting the hub if it was down or changing the value in the HUB_NAME parameter in the KDSENV member of RKANPARU. If the hub is running and properly identified, contact IBM Software Support.

KM5PIR59E Global area not allocated, terminating KM5PLEX agents.

Explanation: An attempt was made to use storage for a common area needed by the agent and that storage was not available.

System action: The agent is terminated.

User response: This is an indication of an internal error. Contact IBM Software Support.
KM5PIR65E  Unable to allocate connection object

Explanation: An attempt to allocate storage for a common area needed by the KM5PLEX agents failed. This failure is an indication of a storage constraint on the started task.

System action: The KM5PLEX agents are terminated.

User response: Verify that the started task used to run the agent is not constrained by any memory restrictions in the procedure. Verify the storage specifications in the KDSSYSIN member of RAKANPARU.

KM5PIR66E  Error <error_code> attempting to connect to <hub_name> on port <port_number>.

Explanation: An error was returned when attempting to connect to the hub Tivoli Enterprise Monitoring Server. The message contains the error number, the value for the hub name, and the port number being used. Error codes include:

- 8 No global area found
- 12 HUB_NAME not found
- 16 No storage for connection available
- 20 No storage for nodes available

System action: The KM5PLEX agents are terminated.

User response: All errors reported are fatal and indicate either communications or storage errors. If the problem is a communications error, the error code is 12. Verify that the hub Tivoli Enterprise Monitoring Server is running and if, the HUB_NAME variable is in use, that it is correctly set in the KDSENV file. For the storage issues, try verifying that the specifications in the KDSSYSIN member in RAKANPARU are accurate.

See also: KM5PIR71E

KM5PIR68E  Error allocating storage for NodeHdr object.

Explanation: An attempt was made to allocate storage for a common area needed by the KM5PLEX agents and that storage was not available.

System action: The KM5PLEX agents are terminated.

User response: This message indicates an internal error. Contact IBM Software Support.

KM5PIR71E  Connection Failure Message: <failure_details>

Explanation: The attempt to connect to the hub Tivoli Enterprise Monitoring Server failed, as indicated by KM5PIR66E, which is the message that should appear before this message. The text following Connection Failure Message: provides further details as to what actually failed while attempting the connection.

KM5PIR72E  Terminating KM5PLEX, TEMS HUB connection impossible: rc = <return_code>

Explanation: While attempting to connect to the hub Tivoli Enterprise Monitoring Server, an error was detected that the agent is not capable of resolving. This message is usually preceded by messages KM5PIR66E and KM5PIR71E.

System action: The KM5PLEX agents are terminated.

User response: See message KM5PIR66E.

KM5PIR76E  Not connected to the TEMS HUB.

Explanation: A connection to the hub Tivoli Enterprise Monitoring Server, which should have made by this time, does not exist.

System action: The KM5PLEX agents are terminated.

User response: This message indicates an internal error. Contact IBM Software Support.

KM5PIR77E  Attempted a <operation_type> and failed with error code <error_code>.

Explanation: A failure occurred while attempting the indicated operation in preparation for querying the INODESTS table.

System action: The KM5PLEX agents are terminated.

User response: This message indicates an internal error. Contact IBM Software Support.

KM5PIR78I  This started task has been made the KM5PLEX level agent.

Explanation: The z/OS KM5PLEX agent package is running in this Tivoli Enterprise Monitoring Server. There will only be one KM5PLEX agent running in a Sysplex.

KM5PIR79I  KM5_GLOBAL allocated at: <address>.

Explanation: The KM5PLEX global area, KM5_Global, was allocated at the indicated address. This is provided for diagnostic purposes.

KM5PIR80W  Command line exceeds %d, truncating to <%s>

Explanation: The length of the command passed to the KM5PLEX IRA manager, KM5PIR, exceeds the allocated buffer size.
**System action:** The command is truncated as indicated and processed.

**User response:** Verify the command entered. The command should look something like the following example:

```
F stcname,IRAMAN KM5PLEX command
```

If anything else is in the command area other than the parameters START, STOP, or SHUTDOWN, remove it and attempt the command again.

**KM5Pn01E No node header available**

**Explanation:** The agent attempted to find a storage area that represents nodes registered at the Tivoli Enterprise Monitoring Server. This control block address contains a NULL value and therefore cannot be used.

**System action:** The request for data is terminated and the agent does not return any data for this request.

**User response:** This is an indication of an internal error. Report the problem to IBM Software Support.

**KM5Pn02E Unable to resolve global area address**

**Explanation:** The agent attempted to find a storage area that represents a global control block that contains information needed by this table code. This control block address contains a NULL value and therefore cannot be used.

**System action:** The request for data is terminated and the agent does not return any data for this request.

**User response:** This is an indication of an internal error. Report the problem to IBM Software Support.

**KM5Pn03E Error <error_code> from Init_HUB**

**Explanation:** The table logic determined that the connection to the hub monitoring server had terminated and attempted to reconnect. The reconnect attempt resulted in an error which would have generated its own error codes documented in previous messages.

**System action:** The request for data is terminated and the agent does not return any data for this request.

**User response:** Take the actions associated with the previous error messages.

**KM5Pn04E Unable to obtain SQLInterface storage for <hub_name>**

**Explanation:** A storage allocation request was made for an area used to execute SQL requests with the hub Tivoli Enterprise Monitoring Server. This storage allocation failed.

**System action:** The request for data is terminated and the agent does not return any data for this request.

**User response:** Contact IBM Software Support and report the error message, along with the error code returned.

**KM5Pn05E Error <error_code> attempting Prepare Request**

**Explanation:** An SQL request was being prepared for use and the request failed. The error associated with the request is displayed in the message. The error code is associated with an internal request to create an access plan.

**System action:** The request for data is terminated and the agent does not return any data for this request.

**User response:** Contact IBM Software Support and report the error message, along with the error code returned.

**KM5Pn06E Error <error_code> attempting Create Request**

**Explanation:** An SQL request was being created for use and the request failed. The error associated with the request is displayed in the message. The error code is associated with an internal request to create request.

**System action:** The request for data is terminated and the agent does not return any data for this request.

**User response:** Contact IBM Software Support and report the error message, along with the error code returned.

**KM5Pn07E Unable to locate Input SQLDA**

**Explanation:** An SQL statement was prepared and the request was opened. The table logic then tried to obtain an SQL structure used to define input parameters and that request failed.

**System action:** The request for data is terminated and the agent does not return any data for this request.

**User response:** Contact IBM Software Support and report the error message.

**KM5Pn08E Error <error_code> attempting Open Request**

**Explanation:** Everything was ready to drive the SQL request and an Open was executed. This open failed. The return code reported in the error message represents the type of failure.

**System action:** The request for data is terminated and the agent does not return any data for this request.

**User response:** Contact IBM Software Support and report the error message, along with the error code returned.
**KM5Pn09E  •  KM5ZAA020E**

**KM5Pn09E  Unable to locate Output SQLDA**

**Explanation:** The output SQLDA area was not available from the SQL interface. This area is required to map the data being returned by other agents being driven by the SQL request.

**System action:** The request for data is terminated and the agent does not return any data for this request.

**User response:** Contact IBM Software Support and report the error message.

**KM5TE100E  Logon to OMEGAMON for MVS Failed**

**Explanation:** Scripted logon to OMEGAMON for MVS failed due to one or more of the following reasons.

- The host IP name does not point to a system with an active TN3270 listener.
- The TN3270 IP port number is incorrect.
- The VTAM APPLID is not the OMEGAMON for MVS APPLID.
- The default/initial TN3270 screen does not allow a LOGON APPLID() DATA() command.

**System action:** System exits the terminal emulator script.

**User response:** Validate the host IP name, IP port number, and VTAM APPLID. Correct the values if necessary by running the Configuration Tool. If the default or initial TN3270 screen does not allow a LOGON APPLID() DATA() command, specify an LU Group that does allow these commands, if available. Contact IBM Software Support to receive further assistance.

**KM5TE200E  Signon to OMEGAMON for MVS Failed**

**Explanation:** Scripted signon to OMEGAMON for MVS failed due to invalid user ID or password, or both.

**System action:** System exits the terminal emulator script.

**User response:** Specify a valid OMEGAMON for MVS user ID and password. Contact IBM Software Support if further assistance is required.

**KM5XO01E  XE to OMEGAMON for MVS Linking is not configured.**

**Explanation:** The Dynamic XE to OMEGAMON for MVS linking feature requires the VTAM Application ID (APPLID) of the OMEGAMON for MVS address space. This APPLID is specified on the Configuration Tool Specify VTAM APPLID5 Values panel during configuration and copied to the RKANPARU(KDSENV) parameter ‘KM5_DXL_APPLID=’. This parameter is missing or has a null value.

**System action:** The agent terminates without returning data required for connection and logon to OMEGAMON for MVS.

**User response:** Contact IBM Software Support and report the error. Provide the output of RKLVLOG.

**KM5XO02E  Cannot discover Host IP Name**

**Explanation:** Module KM5XOAS1 failed to find the host IP name.

**System action:** The agent terminates without returning data required for connection and logon to OMEGAMON for MVS.

**User response:** Contact IBM Software Support and report the error. Provide the output of RKLVLOG.

**KM5ZAA010  XML Parsing Error: ttttttt tag.**

**Explanation:** The XML Parser cannot locate the specified tag ttttttt.

**System action:** The agent terminates processing for this data request.

**User response:** Verify that zAware is properly installed. If memory dump information is included with this message, submit this information with any other KM5ZAA or KM5ZAI prefixed messages to IBM Software Support.

**KM5ZAA020E  zAware collection failed, status n, explanatory text.**

**Explanation:** The variables n, explanatory text can be one of the following:

1. Bad Connection handle
2. KDH1_NewClient failed to create a client handle
3. Server address cannot be determined
4. Storage allocation failed
5. Unable to originate connection to server
6. User and password are required server credentials
7. Credentials exceed maximum length
8. Request rejected by server
9. Server failed to deliver a response entity
10. Server returned an invalid response entity
11. Unable to fetch response entity
12, Request code invalid  
13, Resource parameter omitted  
14, Name parameter omitted  
15, ListType parameter omitted  
16, Type parameter omitted  
17, DSN parameter omitted  
18, ID parameter omitted  
19, One or more responses failed to complete  
20, User or password credentials rejected by server  
21, AT-TLS configuration incomplete for zAware use  
22, ICSF is not active for this LPAR

**System action:** The agent terminates processing for this data request.  
**User response:** If the explanatory text is 20, User or password credentials rejected by server, determine a user ID and password combination that works from a browser session with the zAware appliance. Specify these credentials for use by OMEGAMON through the enhanced 3270 user interface.
If the explanatory text is 21, AT-TLS configuration incomplete for zAware use, verify the LPAR running the zAware agent is configured to use AT-TLS when the OMEGAMON agent is interacting with the zAware server.
If the explanatory text is 22, ICSF is not active for this LPAR, Either ICSF is not running in this LPAR or the monitoring server that the OMEGAMON agent is running in does not concatenate the ICSF load library in the RKANMODL DD statement. For all other conditions contact IBM Software Support.

**KM5ZAI005E Missing or Invalid parameter.**  
**Explanation:** Internal agent error.  
**System action:** The agent terminates processing for this data request.  
**User response:** Contact IBM Software Support.

**KM5ZAI010I IXGQUERY RC=returncode RSN=reasoncode.**  
**Explanation:** Informational message reporting the return and reason code from the IXGQUERY service.  
**System action:** The agent terminates processing for this data request if the return code is 8 or greater.  
**User response:** See any accompanying messages that indicate an error condition and follow those user response instructions.

**KM5ZAI012E zAware environment error.**  
**Explanation:** The agent could not discover the zAware location information because of an incompatibility in the z/OS image(client).  
**System action:** The agent terminates processing for this data request. It is likely that no requests to this agent will work until this issue is resolved.  
**User response:** Save the address space RKLVLOG and contact IBM support.
KM5ZAA034E  Create Request failed with status
return code

Explanation: The KM5ZAAG agent failed when attempting to drive setup phases in the processing modules for this agent. The return code of the failure is return code.

System action: The agent terminates processing for this data request. It is likely that no requests to this agent will work until this issue is resolved.

User response: Save the address space RKLVLOG and contact IBM support.

KM5ZAA036E  GetInputSQLDA failed with status return code

Explanation: The KM5ZAAG agent failed when attempting to acquire input variables for the SQL request at the hub Tivoli Enterprise Monitoring Server. The return code of the failure is return code.

System action: The agent terminates processing for this data request. It is likely that no requests to this agent will work until this issue is resolved.

User response: Save the address space RKLVLOG and contact IBM support.

KM5ZAA038E  Open Request returned with status return code

Explanation: The KM5ZAAG agent failed when attempting to drive live data collection for the SQL request. The return code of the failure is return code.

System action: The agent terminates processing for this data request. It is likely that no requests to this agent will work until this issue is resolved.

User response: Save the address space RKLVLOG and contact IBM support.

KM5ZAA040E  GetOutputSQLDA failed with status return code
+ sqlOut->sqln = output area size
+ sqlOut->sql = output area storage address.

Explanation: The KM5ZAAG agent failed when attempting to acquire a data structure to hold result rows for the SQL request. The return code of the failure is return code. output area size is the size of the output area needed. output area storage address is the storage address of the output area.

System action: The agent terminates processing for this data request. It is likely that no requests to this agent will work until this issue is resolved.

User response: Save the address space RKLVLOG and contact IBM support.

KM5ZAA045E  error for SQL, sqlStatus(return code)

Explanation: The KM5ZAAG agent failed when attempting to fetch result row values for the SQL request. The return code of the failure is return code.

System action: The agent terminates processing for this data request. It is likely that no requests to this agent will work until this issue is resolved.

User response: Save the address space RKLVLOG and contact IBM support.

KM5ZAA047E  Failure stage(return code)

Explanation: The KM5ZAAG agent failed when attempting one of the stages in the SQL process for the SQL request. The stage of the failure is Failure stage. Failure stage is a string with a value like:
- SQL1_CreateAccessPlan
- SQL1_CreateRequest
- SQL1_GetInputSQLDA
- SQL1_GetOutputSQLDA
- SQL1_Fetch

The return code of the failure is return code.

System action: The agent terminates processing for this data request. It is likely that no requests to this agent will work until this issue is resolved.

User response: Save the address space RKLVLOG and contact IBM support.

KM5ZAA050E  zAware Credentials could not be set.
No open KEY1 slots for key appliance URL

Explanation: The KM5ZAAG agent attempt to store logon credentials for use with the zAware appliance at the Hub has failed. The URL of the appliance is like appliance URL.

System action: The agent returns a row indicating that credentials cannot be stored.

User response: Verify the zAware URL supplied is accurate and that the user ID and password for logging on to this appliance are active. This can be done by using these same values in a browser session to this zAware appliance. If the credentials are OK then save the RKLVLOG with this message and contact IBM support. If the credentials fail then investigate what is the correct URL address, user ID and password in your environment.

KM5ZAA052E  CRY_Decrypt2 failed: status = return code

Explanation: The KM5ZAAG attempt to decrypt the user password for use with the zAware appliance has failed with return code.
**System action:** The zAware workspace is empty.

**User response:** Verify that the Integrated Cryptographic Service Facility (ICSF) is installed in the LPAR where this agent is running. If ICSF is active then save the address space RKLVLOG and contact IBM support.

---

**KM5ZAA054E** CRY_Encrypt2 failed: status = return code

**Explanation:** The KM5ZAAG attempt to encrypt the user password for use with the zAware appliance has failed with return code.

**System action:** None.

**User response:** Verify that the Integrated Cryptographic Service Facility (ICSF) is installed in the LPAR where this agent is running. If ICSF is active then save the address space RKLVLOG and contact IBM support.

---

**KM5ZAA056E** variable text (see Explanation).

**Explanation:** The KM5ZAAG agent found syntax errors when processing credentials that are sent from the e3270ui. Text is one of the following:
- zAware Location string is too big. Size found is xx. Maximum allowed is yy.
- zAware user ID string is too big. Size found is xx. Maximum allowed is yy.
- zAware password string is too big. Size found is xx. Maximum allowed is yy.
- zAware certificate expiration date string is too big. Size found is xx. Maximum allowed is yy.
- zAware password expiration date string is too big. Size found is xx. Maximum allowed is yy.

**System action:** zAware credentials in KM5ZACRED table are not changed.

**User response:** Try to enter the credentials again. If the problem persists call IBM support.

---

**KM5ZAA058E** zAware collection failed, invalid password received from e3270ui.

**Explanation:** The KM5ZAAG agent determined that the password received in encrypted form from the e3270ui is not valid.

**System action:** zAware credentials in KM5ZACRED table are not changed.

**User response:** Try to enter the credentials again. If the problem persists call IBM support.

---

**KOE000I**

**Explanation:** This message is used to echo messages.

**System action:** Processing continues.

**User response:** None required.

---

**KOE001E** ERROR ACTIVATING CONSOLE

<table>
<thead>
<tr>
<th>RC=returncode</th>
<th>RSN=reasoncode</th>
</tr>
</thead>
</table>

**Explanation:** An attempt was made to activate an EMCS console called KOEEMCS using the MCSOPER macro, but an error occurred. The returncode and reasoncode are from the MCSOPER macro.

**System action:** Processing continues without the Extended MCS.

**User response:** None required.

---

**KOE001I** z/OS UNIX Agents agentname now online timestamp

**Explanation:** The UNIX Agent whose origin node is agentname is now online. The timestamp is timestamp.

**System action:** Processing continues.

**User response:** None required.

---

**KOE002E** ERROR TRYING TO GET A MESSAGE

<table>
<thead>
<tr>
<th>RC=returncode</th>
<th>RSN=reasoncode</th>
</tr>
</thead>
</table>

**Explanation:** An attempt was made to retrieve a message queued to the Extended MCS named KOEEMCS using the MCSOPMSG macro, but an error occurred. The returncode and reasoncode are from the MCSOPMSG macro.

**System action:** Processing continues without looking at the message.

**User response:** None required.
KOE003I  CONSOLE HAS BEEN ACTIVATED
Explanation:
System action:
User response:

KOE004I  CONSOLE HAS BEEN DEACTIVATED
Explanation:
System action:
User response:

KOE005E  ERROR DEACTIVATING CONSOLE
RC=returncode  RSN=reasoncode
Explanation: An attempt was made to deactivate an EMCS console called KOEEMCS using the MCSOPER macro, but an error occurred. The returncode and reasoncode are from the MCSOPER macro.
System action: Processing continues.
User response: Contact IBM support.

KOE007E  CONSOLE QUEUEING STOPPED DUE TO MEMORY LIMIT
Explanation: The memory dataspace for the EMCS called KOEEMCS is full.
System action: The EMCS will be deactivated.
User response: None.

KOE008E  CONSOLE QUEUEING STOPPED DUE TO DEPTH LIMIT
Explanation: The maximum number of messages for the EMCS called KOEEMCS has been received.
System action: The EMCS will be deactivated.
User response: None.

KOE009E  INTERNAL SYSTEM ERROR ON CONSOLE
Explanation: An internal error has occurred in the processing of the EMCS called KOEEMCS.
System action: The EMCS will be deactivated.
User response: None.

KOE101E  ERROR IN IEFPRMLB action
RC=returncode  RSN=reasoncode
Explanation: An error occurred issuing the IEFPRMLB macro. This is in order to read the values of PBXPRMxx members. The action is either ALLOCATE, READMEMBER, or FREE. The returncode and reasoncode are from the IEGPRMLB macro.
System action: Processing continues without the PARMLIB concatenation.
User response: None.

KOE006W  ALERT DETECTED - DEACTIVATING CONSOLE
Explanation: An alert was received for the EMCS called KOEEMSG.
System action: The EMCS will be deactivated.
User response: None.

KOE010W  RECEIVED QUEUE DEPTH ALERT
Explanation: An alert for EMCS called KOEEMCS was received, warning that the maximum allowable alert count has been reached.
System action: The EMCS will be deactivated.
User response: None.

KOS101I  CMS cmsname IS NOW THE SYSPLEX PROXY
Explanation: The Tivoli Enterprise Monitoring Server indicated by cmsname has become the Sysplex Proxy. A monitoring server becomes the Sysplex Proxy in one of two scenarios:
• During startup, when designated (during product configuration) as the Primary Sysplex Proxy.
• During recovery, when designated as a Backup Sysplex Proxy and the current Sysplex Proxy monitoring server fails.
System action: This message appears in the Tivoli Enterprise Monitoring Server RKLVLOG. Notification can also be sent to the MVS console, enabling access by automated operations tools.
User response: Take whatever action is necessary when the Sysplex Proxy function is assigned, or reassigned, to a Tivoli Enterprise Monitoring Server.

KOS150I  GPMSERVE SERVER IS REGISTERED
Explanation: The Resource Management Facility (RMF) Distributed Data Server component is active in this sysplex and will be used to supply data for the coupling facility workspaces and situations.
System action: None
User response: As long as you are seeing coupling facility data in OMEGAMON XE on z/OS workspaces, no action is required. If coupling facility workspaces have no data, there may be a problem with RACF and PassTicket authorization. Either fix the RACF problem or bypass use of RMF for coupling facility data.
For information about configuring RACF and PassTicket, see the IBM Tivoli OMEGAMON XE on
z/OS: Planning and Configuration Guide. To bypass use of RMF collection, uncomment the statement “KDS_KM5_DDS=NO” in every &rhilev. &rtename.RKANPARU(KDSENV) member in this sysplex.

Informational

KOS151I GPMESERVE SERVER IS NOT REGISTERED

Explanation: The Resource Management Facility (RMF) Distributed Data Server component is not active in this sysplex. OMEGAMON XE on z/OS will use its own collection mechanism to obtain coupling facility data.

System action: None
User response: None
Informational

KOS152I NOW USING OMEGAMON FOR CF DATA COLLECTION

Explanation: The Resource Management Facility (RMF) Distributed Data Server is not available to provide coupling facility data. OMEGAMON XE on z/OS is using its own collection services to provide this data.

System action: None
User response: None
Informational

KOS153I NOW USING RMF FOR CF DATA COLLECTION

Explanation: The Resource Management Facility (RMF) Distributed Data Server is available to provide coupling facility data. OMEGAMON XE on z/OS is using RMF services. OMEGAMON collection services will be suspended.

System action: None
User response: None
Informational

KOS154I REGISTER RETURN CODE – xxxx DDS URL – yyyy:pp

Explanation: OMEGAMON XE on z/OS has attempted to published the location of the RMF Distributed Data Server (DDS) for all agents in this Tivoli Enterprise Management Server to use. If the return code value (xxxx) is 0, the publication was successful. The DDS location is the IP address (yyyy) and port number (pp) at the end of the message.

System action: None
User response: If the return code is 0, no response is needed. If some other code is returned, try recycling the Tivoli Enterprise Monitoring Server. If a bad return code persists, you can bypass use of the DDS by uncommenting the statement “KDS_KM5_DDS=NO” in every &rhilev.&rtename.RKANPARU(KDSENV) member in this sysplex.

Report the failure and return code to IBM Software Support.

Informational

KS3L000I args = arguments

Explanation: These are the arguments that were passed to the launch application.

System action: None
User response: None

KS3L001E Invalid parameter invalid_parameter

Explanation: Any invalid parameter of invalid_parameter was entered into the launch application.

This message is the first part of a multiline message that is displayed when a parameter is entered incorrectly.

System action: None
User response: Ensure that entries with embedded blanks are enclosed in double quotes. For example: -location="C:\Program files\Internet Explorer\iexplore.exe".

KS3L002I Ensure that entries with embedded blanks are enclosed with double quotes.

Explanation: Any invalid parameter of invalid_parameter was entered into the launch application.

This message is the second part of a multiline message that is displayed when a parameter is entered incorrectly.

System action: None
User response: Ensure that entries with embedded blanks are enclosed in double quotation marks. For example: -location="C:\Program files\Internet Explorer\iexplore.exe".

KS3L003I Example: -location="C:\Program files\Internet Explorer\iexplore.exe"

Explanation: An invalid parameter of invalid_parameter was entered into the launch application.

This message is the third part of a multiline message.
that is displayed when a parameter is entered incorrectly.

**System action:** None

**User response:** Ensure that entries with embedded blanks are enclosed in double quotes.

---

**KS3L004E Request must be either -remove or -change**

**Explanation:** The request must be one of the following:
- -remove, to remove or delete launch points
- -change, to insert or change launch points

**System action:** None

**User response:** Ensure that you have used the correct switch.

---

**KS3L005E Request update(insert) requires -loc and -url parameters**

**Explanation:** To insert new launch points, you must supply both of the following parameters:
- -loc to supply the location of the browser
- -url to supply the HTTP address of the RMF portal application

**System action:** None

**User response:** Ensure that you provide both of the parameters in your insert request.

---

**KS3L006E Request update requires -loc or -url parameters**

**Explanation:** To update an existing launch point you can supply either or both of the following parameters.
- -loc to supply the location of the browser
- -url to supply the HTTP address of the launch point

**System action:** None

**User response:** Supply the correct switch and value for the parameters you want to change.

---

**KS3L007I Issue updates using URL=address explore loc=location**

**Explanation:** The launch point will be updated using the URL and location shown.

**System action:** None

**User response:** None

---

**KS3L008I Issue updates using explore loc=location**

**Explanation:** The launch points will be updated using the browser location indicated in the message.

**System action:** None

**User response:** None

---

**KS3L009I Issue updates using URL=url**

**Explanation:** The launch points will be updated using the URL indicated in the message.

**System action:** None

**User response:** None

---

**KS3L010I Launch points with host=host_name location=location URL=url**

**Explanation:** These are the parameters entered for the launch application.

**System action:** None

**User response:** None

---

**KS3L011I Processing n of n**

**Explanation:** This message displays the progress of the launch application in processing the launch points.

**System action:** None

**User response:** None

---

**KS3L012I Launch points completed**

**Explanation:** This message indicates the launch application processing has completed.

**System action:** None

**User response:** None

---

**KXDFC023 SKIPPING CF COLLECTION IN KXDFCGET - RECALLED KFA#XDDS VALUE IS yyyy:pp , RETURN CODE - xxxx**

**Explanation:** The OMEGAMON XE on z/OS coupling facility collection service has determined that Resources Management Facility (RMF) is supplying data. The RMF location is shown by its IP address (yyyy) and port number (pp). A return code of 0 indicates that OMEGAMON collection has been suspended.

**System action:** None

**User response:** None

---

**KXDFC024 USING CF COLLECTION IN KXDFCGET - RECALLED KFA#XDDS VALUE IS yyyy:pp , RETURN CODE - xxxx**

**Explanation:** The OMEGAMON XE on z/OS coupling facility collection service has determined that the Resource Management Facility (RMF) is not supplying data. The RMF location is shown by its IP address
(yyyyy) and port number (pp). A return code of 0 indicates that OMEGAMON collection has been resumed.

LNK001I   LNKLST SUCCESSFULLY REPLACED,
DEB ADDR= debaddress, LLT
ADDR=lltaddress

Explanation: OMEGAMON successfully replaced the system link list with a new one, whose DEB address is debaddress and LLT address is lltaddress.

System action: Processing continues.

User response: None.

LNK002I   DSN=dsnname EXT=number APF=auth

Explanation: After a successful replacement of the system link list (see message LNK001I), this message is displayed for each dataset that is in the new link list. DSN is the name of the dataset, EXT is the number of extents for this dataset, and APF indicates whether or not this dataset is APF authorized, YES to NO.

System action: Processing continues.

User response: None.

LNK101W   LLA COMMAND NOT ISSUED; LLA IS NOT ACTIVE

Explanation: OMEGAMON attempted to issue a Start jobname command with the LLA parameter, using SVC 34. However, the LLA is not active.

System action: Processing continues without starting the job.

User response: None.

LNK102W   LLA COMMAND NOT ISSUED; ERROR IN SVC 34

Explanation: OMEGAMON attempted to issue a Start jobname command using SVC 34. However, an error occurred while processing the SVC.

System action: Processing continues without starting the job.

User response: None.

LNK103W   I/O ERROR ON SYSPRINT DD;
REMAINING MESSAGES OUTPUT
VIA WTO

Explanation: OMEGAMON attempted to output a message to the SYSPRINT DD dataset, but an I/O error occurred. As an alternative, subsequent messages are output to the operator using WTO.

System action: Processing continues.

User response: None.

LNK104W   SQA FREEMAIN FAILED;
RC=returncode,ADDRESS=address,
LENGTH=length

Explanation: After switching the Link List, OMEGAMON attempted to free the storage for the old LNKLST, and the FREEMAIN failed. The returncode is from the FREEMAIN macro. The address and length of the storage is given in the message.

System action: Processing continues.

User response: None.

LNK105W   STOP LLA HAS NOT COMPLETED;
LLA CANNOT RESTART

Explanation: OMEGAMON attempted to stop the LLA with a STOP LLA command using SVC 34. An error occurred while processing the command.

System action: The LLA cannot be restarted.

User response: None.

LNK106W   START LLA HAS NOT COMPLETED SUCCESSFULLY

Explanation:

System action:

User response:

LNK201E   REPLKLST PROGRAM IS NOT AUTHORIZED

Explanation: In order to replace the existing Link List table with a new Link List table, the OMEGAMON task, REPLKLST must run as an APF program. The TESTAUTH macro reveals that it is not APF.

System action: Processing continues without replacing the Link List table.

User response: Ensure that all the datasets associated with this task are APF.

LNK202E   LNKLST REPLACE DENIED BY OPERATOR

Explanation: OMEGAMON asks the operator for permission to replace the existing Link List with a new Link List. Either the request timed out (10 minutes), or the operator denied permission.

System action: Processing continues without replacing the Link List table.

User response: Determine why the operator replied “NO” or why the request was ignored. If necessary, instruct the operator to grant permission.

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LNK203E  INVALID PARMLIST SPECIFIED
Explanation: While attempting to switch the Link List table, OMEGAMON discovered an error in an input parameter list.
System action: Processing continues without replacing the Link List table.
User response: Contact IBM Support.

LNK204E  SQA ALLOCATION FAILED FOR LNKLST DEB AND LLT
Explanation: While attempting to switch the Link List table, OMEGAMON encountered an error in allocating SQA storage for the new Link List DEB and LLT.
System action: Processing continues without replacing the Link List table.
User response: None.

LNK205E  OPEN FAILED FOR INPUT DATASET
Explanation: While attempting to switch the Link List table, OMEGAMON tried to dynamically open the input dataset, and a failure occurred. The dataset should be either SYS1.PARMLIB or LNKLSTXX.
System action: Processing continues without replacing the Link List table.
User response: Determine what dataset was used and why there might be a problem with it.

LNK206E  READ FAILED FOR INPUT DATASET
Explanation: While attempting to switch the Link List table, OMEGAMON encountered an error while reading a record from the input dataset.
System action: Processing continues without replacing the Link List table.
User response: Determine what dataset was used and why there might be a problem with it.

LNK207E  MAXIMUM NUMBER OF LNKLST DATASETS EXCEEDED
Explanation: While attempting to switch the Link List table, OMEGAMON determined that the maximum number of Link List dataset (118) would be exceeded.
System action: Processing continues without replacing the Link List table.
User response: Determine why there were more than 118 datasets specified.

LNK208E  DCB VALIDATION ERROR ON INPUT DATASET
Explanation: While attempting to switch the Link List table, OMEGAMON determined that the input dataset is of the wrong format. It cannot be RECFM=U or RECFM=F. Also the logical record size must be 80.
System action: Processing continues without replacing the Link List table.
User response: Correct the format of the input dataset.

LNK209E  ESTAE FAILED; RC=returncode
Explanation: While attempting to switch the Link List table, OMEGAMON issued an ESTAE recovery routine, but an error occurred. The returncode is from the ESTAE macro.
System action: Processing continues without replacing the Link List table.
User response: Contact IBM Support.

LNK210E  DYNALLOC FAILED FOR INPUT DATASET; ERROR CODE=erroncode,INFO CODE=infocode
Explanation: While attempting to switch the Link List table, OMEGAMON tried to dynamically allocate the input dataset and member used to rebuild the LNKLST. An error occurred. The erroncode and infocode are from SVC 99.
System action: Processing continues without replacing the Link List table.
User response: Contact IBM support.

LNK211E  SYNTAX ERROR IN INPUT RECORD NUMBER number
Explanation: While attempting to switch the Link List table, OMEGAMON encountered a syntax error in record number number.
System action: Processing continues without replacing the Link List table.
User response: Determine and correct the syntax error.

LNK212E  LOCATE FAILED FOR DSNNAME=dsnname
Explanation: While attempting to switch the Link List table, OMEGAMON used the LOCATE macro to find the VOLSER for the specified link list dataset. The LOCATE failed because the dataset is not cataloged.
System action: Processing continues without replacing the Link List table.
User response: Catalog the dataset and try again.
LNK213E  MULTIPLE VOLUMES; DSNAME=

Explaination:  While attempting to switch the Link List table, OMEGAMON used the LOCATE macro to find the VOLSER for the specified link list dataset, and discovered that it is a multi-volume dataset.

System action:  Processing continues without replacing the Link List table.

User response:  Reallocate the dataset as a single-volume dataset and try again.

LNK214E  OBTAIN FAILED FOR DSNAME=

Explaination:  While attempting to switch the Link List table, OMEGAMON used the OBTAIN macro for a format 3 DSCB, and an error occurred.

System action:  Processing continues without replacing the Link List table.

User response:  Reallocate the dataset with the correct attributes.

LNK215E  UCB LOOK-UP FAILED FOR VOLUME=

Explaination:  While attempting to switch the Link List table, OMEGAMON issued the UCBLOOK macro for the specified VOLSER to ensure that the dataset is on DASD volume that is permanently mounted. An error was encountered

System action:  Processing continues without replacing the Link List table.

User response:  ???

LNK216E  VOLUME volume IS NOT A PERM RESIDENT DASD VOLUME

Explaination:  While attempting to switch the Link List table, OMEGAMON issued the UCBLOOK macro for the specified VOLSER to ensure that the dataset is on DASD volume that is permanently mounted, and found that it is not.

System action:  Processing continues without replacing the Link List table.

User response:  Make the volume permanently mounted.

LNK217E  LNKLST DEB COUNT EXCEEDED;
MAXIMUM=maximum FOR count DATASETS

Explaination:  While attempting to switch the Link List table, OMEGAMON found that the maximum number of extents would be exceeded for the new Link List dataset.

System action:  Processing continues without replacing the Link List table.

User response:  Reallocate the dataset with more extents. [NOTE: what dataset?]
LNK223E  DYNCONCT FAILED FOR INPUT
DATASET; ERROR CODE=
errorcode, INFO CODE=
infocode

Explanation: While attempting to switch the Link List
table, OMEGAMON discovered that the dynamic
concatenation failed for the input datasets. The
errorcode and infocode are from SVC 99.

System action:Processing continues without replacing
the Link List table.

User response: Contact IBM support.

LNK224E  PDSE NOT SUPPORTED; DSN=
dsnname

Explanation: While attempting to switch the Link List
table, OMEGAMON discovered that one of the datasets
was a PDSE. Extended PDS’s are not supported for this
function.

System action:Processing continues without replacing
the Link List table.

User response: Contact IBM support.

LNK225E  WRONG VOLSER volser; DSN=
dsnname

Explanation: While attempting to switch the Link List
table, OMEGAMON discovered that the VOLSER is
different than what was expected.

System action:Processing continues without replacing
the Link List table.

User response: Contact IBM support.

LNK226E  INTERNAL ERROR: INVALID DLCB
ON OS/390 REL 2

Explanation: While attempting to switch the Link List
table, OMEGAMON could not locate a valid DLCB.

System action:Processing continues without replacing
the Link List table.

User response: Contact IBM support.

LNK227E  LINKLIST REPLACE NOT
SUPPORTED FOR OS/390 REL 3

Explanation: While attempting to switch the Link List
table, OMEGAMON discovered that the system is at
level SP6.0.3. The Link List replace cannot be
performed on this level of the operating system.

System action:Processing continues without replacing
the Link List table.

User response: None.

LNK228E  SYMBOL TRANSLATION ERROR FOR
INPUT RECORD NUMBER
recordnumber. RETURN CODE =
returncode.

Explanation: While attempting to switch the Link List
table, OMEGAMON called the IBM Service Routine,
ASASYMBM to perform symbolic substitution of the
records in the SYS1.PARMLIB member. A translation
error occurred for the specified record. The returncode is
from the ASASYMBM routine.

System action: Processing continues without replacing
the Link List table.

User response: Try to determine why the error
occurred by examining the record. Otherwise, contact
IBM Support.

LNK229E  SYMBOL TRANSLATION WORK
AREA ALLOCATION FAILED:
RETURN CODE = returncode.

Explanation: While attempting to switch the Link List
table, OMEGAMON attempted to GETMAIN a
temporary work area, and the request failed. The
returncode is from the GETMAIN macro.

System action: Processing continues without replacing
the Link List table.

User response: Contact IBM support.

LSCXnnn (message text varies)

Explanation: SAS/C generates messages that have
LSCX prefixes.

System action: None.

User response: Contact IBM Software Support.
Chapter 9. OM Messages

OM0904 OMSR24 OPEN FUNCTION REQUEST PARAMETER ERROR
Explanation: An attempt to open the specified LPAM dataset failed.
System action: The command terminates.
User response: Check the spelling and existence of the dataset. Make sure you are authorized to open the dataset.

OM0905 INTERNAL ERROR DURING INITIALIZATION
Explanation: The security work area could not be found during OMEGAMON initialization.
System action: OMEGAMON does not start.
User response: Call IBM Software Support.

OM0906 COMMAND LEVEL SECURITY NOT INSTALLED. PLEASE RUN JOB KOMSUPD IN RHILEV.RKANSAM. FOR MORE INFORMATION, PLEASE REFER TO THE DOCUMENTATION ABOUT ACTIVATING COMMAND LEVEL SECURITY.
Explanation: The procedure to install command level security has not been run.
System action: OMEGAMON does not start.
User response: Refer to the documentation about installing command level security.

OM7104 WPF NOT ACTIVE; REQUEST IGNORED
Explanation: WPF STOP was issued, but WPF was not active.
System action: WPF STOP request is ignored.
User response: None.

OM7121 WPF IS ACTIVE; START OPERAND INVALID
Explanation: WPF START was issued, but WPF was already active or initializing.
System action: WPF START request is ignored.
User response: None.

OM7122 DEFAULT RKM2PRDS NOT FOUND, SPECIFY THE RKM2PRDS KEYWORD
Explanation: The name of the EPILOG Profile datastore was not found in the user profile, and WPF START was issued without specifying the RKM2PRDS or DSN operand.
System action: WPF START request is ignored.
User response: Use the RKM2PRDS operand to specify the dataset name of the EPILOG Profile datastore on the WPF START command.

OM7123 RKM2PRDS NAME MISSING
Explanation: The RKM2PRDS or DSN operand was specified, but the name of the EPILOG profile datastore was omitted.
System action: The WPF command is ignored.
User response: Include the name of the dataset following the RKM2PRDS or DSN operand and reissue the WPF command.

OM7124 PROFILE COLLECTOR ATTACH FAILED WITH RC=nn
Explanation: The ATTACH for the WPF profile collector failed with return code nn.
System action: WPF initialization is terminated.
User response: Attempt to determine and correct the error associated with return code nn as documented by the ATTACH System Macro Service, and restart WPF. If the error persists, call IBM Software Support.

OM7125 PROFILE COLLECTOR LOAD FAILED WITH RC=nn
Explanation: The LOAD for the WPF profile collector failed with return code nn.
System action: WPF initialization is terminated.
User response: Attempt to determine and correct the error associated with return code nn as documented by the LOAD System Macro Service, and restart WPF.
the error persists, call IBM Software Support.

OM7126  XLONG OR XSHORT KEYWORD NO
        LONGER VALID; IGNORED
Explanation:  The XLONG or XSHORT keyword was
        specified on the WPF command. These keywords are
        no longer valid for WPF.
System action:  The specified keyword is ignored.
User response:  None.

OM7130  INITIALIZATION GETMAIN FAILED
        WITH RC=nn
Explanation:  The GETMAIN for WPF work areas
        failed with return code nn.
System action:  WPF initialization is terminated.
User response:  Attempt to determine and correct the
        error associated with return code nn as documented by
        the GETMAIN System Macro Service, and restart WPF.
        If the error persists, call IBM Software Support.

OM7150  WPF RKM2PRDS READ ERROR, RPL
        code=nn
Explanation:  An error occurred reading the EPILOG
        Profile datastore. The RPL error code is nn.
System action:  WPF is terminated.
User response:  Correct the VSAM read error
        associated with RPL code nn. Make sure you have used
        the EPILOG PROFILE command to create the profiles
        for selected workloads. Then restart WPF. If the error
        persists, call IBM Software Support.

OM7151  WPF TIMER TASK ABENDED
Explanation:  The WPF timer subtask has terminated
        abnormally.
System action:  WPF is terminated.
User response:  Restart WPF. If the error persists, call
        IBM Software Support.

OM7152  WPF PROFILE COLLECTOR
        PROTOCOL ERROR
Explanation:  There is a WPF internal error in the
        profile collector.
System action:  WPF is terminated.
User response:  Restart WPF. If the error persists, call
        IBM Software Support.

OM7153  WPF PROFILE COLLECTOR
        GETMAIN FAILED WITH RC=nn
Explanation:  The GETMAIN for WPF work areas in
        the profile collector failed with return code nn.
System action:  WPF is terminated.
User response:  Attempt to determine and correct the
        error associated with return code nn as documented by
        the GETMAIN System Macro Service, and restart WPF.
        If the error persists, call IBM Software Support.

OM7154  WPF TIMER TASK ATTACH FAILED
        WITH RC=nn
Explanation:  The ATTACH for the timer task in the
        profile collector failed with return code nn.
System action:  WPF is terminated.
User response:  Attempt to determine and correct the
        error associated with return code nn as documented by
        the ATTACH System Macro Service, and restart WPF. If
        the error persists, call IBM Software Support.

OM7155  WPF UNABLE TO VALIDATE EPILOG
        INSTALLATION
Explanation:  EPILOG routines required for WPF are
        not available.
System action:  The WPF profile collector is
        terminated.
User response:  If EPILOG is installed on your system,
        make sure that the dataset name for the EPILOG load
        library has been correctly specified on the STEPLIB or
        JOBLIB statements of the OMEGAMON-invoking JCL.
        Either the dataset specified may be available only to a
        different CPU, the user may not have security access to
        it, or the dataset may not be cataloged. Correct the
        situation and restart WPF. If EPILOG is not installed on
        your system, call IBM Software Support.

OM7156  WPF PROFILE COLLECTOR
        ESTAE FAILED WITH RC=nn
Explanation:  The ESTAE in the profile collector failed
        with return code nn.
System action:  WPF is terminated.
User response:  Attempt to determine and correct the
        error associated with return code nn as documented by
        the ESTAE System Macro Service, and restart WPF. If
        the error persists, call IBM Software Support.

OM7157  WPF RKM2PRDS ALLOCATION
        FAILED, SVC 99 xxxx ERROR=xxxx
        INFO=xxxx
Explanation:  The dynamic allocation request for the
OM7158  WPF RKM2PRDS GENCB FAILED WITH RC=nn

Explanation:  GENCB failure in the profile collector. The GENCB return code is nn.

System action:  WPF is terminated.

User response:  Attempt to determine and correct the error associated with return code nn of the VSAM GENCB Macro Service, and restart WPF. If the error persists, call IBM Software Support.

OM7159  WPF RKM2PRDS OPEN FAILED WITH ACB ERROR=nn

Explanation:  The OPEN for the EPILOG Profile datastore failed with return code nn.

System action:  WPF is terminated.

User response:  Attempt to determine and correct the error associated with ACB ERROR code nn of the VSAM OPEN Macro Service, and restart WPF. If the error persists, call IBM Software Support.

OM7160  WPF INVALID RKM2PRDS KEY LENGTH

Explanation:  A key length error occurred attempting to read the Profile datastore.

System action:  WPF is terminated.

User response:  Restart WPF. If the error persists, call IBM Software Support.

OM7161  WPF VSAM LOGICAL ERROR, RPL CODE=nn

Explanation:  A VSAM logical error occurred while attempting to read the EPILOG Profile datastore. The error code from the VSAM RPL is nn.

System action:  WPF is terminated.

User response:  Attempt to determine and correct the VSAM read error associated with RPL code nn, and restart WPF. If the error persists, call IBM Software Support.

OM7162  WPF RKM2PRDS CLOSE FAILED WITH RC=nn

Explanation:  The CLOSE for the EPILOG Profile datastore failed with return code nn.

System action:  WPF is terminated, however, the Profile datastore may still be open.

User response:  If the Profile datastore is still open, a VERIFY operation may be required to CLOSE it.

OM7163  WPF REQUIRES EPILOG Vnnn OR LATER, Vxxx FOUND

Explanation:  WPF requires EPILOG Version nnn, or a later version for successful operation, but Vxxx was found.

System action:  The WPF profile collector is terminated.

User response:  Make sure that the EPILOG Version nnn load library, or a later version of EPILOG, is available to OMEGAMON and restart WPF.

OM7164  WPF PROFILE COLLECTOR STCK FAILED WITH RC=nn

Explanation:  A store clock operation failed in WPF profile collector.

System action:  WPF is terminated.

User response:  Attempt to determine and correct the error associated with condition code nn of the STCK instruction as documented in the IBM Principles of Operation, and restart WPF. If the error persists, call IBM Software Support.

OM7165  WPF PROFILE COLLECTOR ABENDED

Explanation:  The WPF profile collector has abended.

System action:  WPF is terminated. The abend code, PSW, and general registers at the time of the abend are printed following the message text.

User response:  Restart WPF. If the problem persists, call IBM Software Support.

OM7167  WPF USER IS NOT AUTHORIZED TO READ THE RKM2PRDS

Explanation:  The address space in which OMEGAMON is executing is not authorized to read the EPILOG Profile datastore.

System action:  The WPF profile collector is terminated.

User response:  Give the WPF user authorization to read the Profile datastore and restart WPF.
OM7168  WPF RKM2PRDS PROCESSING ERROR
Explanation: An undeterminable error occurred attempting to read the EPILOG Profile datastore.
System action: The WPF profile collector is terminated.
User response: Restart WPF. If the problem persists, call IBM Software Support.

OM7180  WPF WORKLOAD PROFILE ENTRY NOT FOUND
Explanation: A DWPF or JWPF was issued for a specific profile entry, but that profile entry could not be found.
System action: None.
User response: Specify the correct profile identifier via the JOB, STC, PGN, or PGP operands and reissue the command. If the DWPF or JWPF commands are specified without any operands, they will display a full list of all profile entries.

OM7181  WPF INVALID JOB OR STC NAME SPECIFIED
Explanation: An invalid jobname or started task name was specified with the JOB or STC operand of a DWPF or JWPF command. The jobname or started task name must not exceed eight characters in length, and it must contain those characters defined as acceptable by system JCL syntax.
System action: None.
User response: Specify the jobname or started task name and reissue the command.

OM7182  WPF INVALID PERFORMANCE GROUP OR PERIOD NUMBER SPECIFIED
Explanation: An invalid performance group or period was specified with the PGN or PGP operand of a DWPF command. The performance group must be numeric, between 1 and 999. The period must be numeric, between 1 and 9.
System action: None.
User response: Specify the correct performance group and/or period number and reissue the command.

OM7183  WPF PARAMETER ERROR; PGN REQUIRED WITH PGP
Explanation: The performance group number must be specified with the period number. The PGP operand was specified without the PGN operand on a DWPF request.
System action: None.
User response: Specify the correct performance group using the PGN operand, and reissue the command.

OM7184  WPF CONFLICTING PARAMETERS SPECIFIED
Explanation: Mutually exclusive operands have been specified on a DWPF command. PGN or PGP operands cannot be specified along with JOB or STC.
System action: None.
User response: Specify the correct operands and reissue the command.

OM7185  PGN OR PGP INVALID FOR JWPF
Explanation: The PGN and/or PGP operands have been specified on a JWPF command. PGN or PGP operands are valid only for DWPF.
System action: None.
User response: Specify the correct operands and reissue the command.

OM7198  WPF INVALID PARMLIST PASSED TO PROFILE GET
Explanation: An error occurred attempting to obtain a profile entry on a DWPF or JWPF command.
System action: None.
User response: Make sure that the operands for the DWPF or JWPF command have been specified correctly and reissue the command if necessary. If this does not rectify the error, then STOP and restart WPF. If the error still persists then call IBM Software Support.

OM7199  WPF INVALID RETURN CODE FROM PROFILE GET, RC=xxxxxxx
Explanation: An error occurred while attempting to obtain a profile entry on a DWPF or JWPF command. The return code from the profile get routine is xxxxxxx.
System action: None.
User response: Make sure that the operands for the DWPF or JWPF command have been specified correctly and reissue the command if necessary. If this does not rectify the error, then STOP and restart WPF. If the error still persists then call IBM Software Support.

OM8100  VOLUME NOT FOUND
Explanation: The volume you specified was not found on this system.
System action: Command execution terminates.
OM8101  DATASET IS NOT CATALOGED
Explanation: The dataset you specified was not found in the system catalog.
System action: Command execution terminates.
User response: Catalog the dataset or specify a dataset that is cataloged.

OM8102  DATASET IS NOT ON VOLUME
Explanation: The dataset that you requested was not found on the volume specified.
System action: Command execution terminates.
User response: Specify the volume that the dataset resides on.

OM8103  VOLUME NOT ON SYSTEM (FROM SVOL COMMAND)
Explanation: The volume you specified was not found on this system.
System action: Command execution terminates.
User response: Specify a volume attached to this system.

OM8104  VOLUME IS NOT MOUNTED (FROM SVOL COMMAND)
Explanation: The volume you specified was not mounted on this system.
System action: Command execution terminates.
User response: Specify a volume attached to this system.

OM8112  DEVICE INVALID OR OFFLINE
Explanation: The specified device either was not found in the UCB lookup table, or was found to be marked offline.
System action: Command execution terminates.
User response: Specify a valid volume or vary volume online.

OM8113  WARNING; cccc FAILED VALIDITY CHECK
Explanation: The specified control block (ASCB, TCB, DSAB, JFCB, or JFCX) failed validation in the SRB routine for FNDU.
System action: FNDU does not collect dataset information for the address space which has failed validation.
User response: This is an informational message only.

OM8115  WARNING INVALID RETURN CODE - cc = xx (FROM PEEK, FNDU COMMANDS)
Explanation: The SRB to collect data failed to complete its task and returned an invalid return code to the user.
System action: Command execution terminates.
User response: Call IBM Software Support to report a possible problem.

OM8116  WARNING SQA WORKAREA AT ADDR=xxx SIZE=yyyy DANGER INSUFFICIENT SQA - COMMAND ABORTED WARNING (from PEEK, FNDU commands)
Explanation: The SRB to collect data failed to complete its task due to a SQA shortage.
System action: None.
User response: Call IBM Software Support to report a possible problem.

OM8120  CHANNEL SET NOT VALID
Explanation: An attempt was made to find the channel set in the CST but it was not found.
System action: None.
User response: Specify a valid channel set.

OM8121  CHANNEL SET NOT DEFINED (FROM DEV COMMAND)
Explanation: The channel set you entered is not defined to the system.
System action: None.
User response: Specify a channel set defined to this system.

OM8122  PARTE NOT IN USE
Explanation: You attempted to display a PARTE that is not currently in use.
System action: Command execution terminates.
User response: Specify a PARTE that is in use.

OM8123  RMF NOT ACTIVE
Explanation: The command requires the Resource Management Facility (RMF) or a specific RMF report to be active.
System action: Command execution terminates.
OM8124 • OM8145

User response: Modify RMF to add the required report for collection or start RMF.

OM8124 CPU NOT DEFINED
Explanation: You attempted to list channel sets from a CPU that is not currently available.
System action: Command execution terminates.
User response: Select a CPU that is currently available.

OM8125 COMMAND NOT AVAILABLE IN GOAL MODE
Explanation: You attempted to execute a command that is not valid in goal mode.
System action: Command execution terminates.
User response: Try a different command, or switch to compatibility mode.

OM8126 IWMRCOLL FAILED, CODE=nn
Explanation: Indicates a failure in an MVS service which provides information for some of the commands.
System action: Command execution terminates.
User response: Contact IBM Software Support.

OM8127 CONTROL BLOCK DOES NOT EXIST IN SP5 OR HIGHER SYSTEMS
Explanation: The control block being accessed does not exist in MVS/SP™ 5.1 or later.
System action: Command execution terminates.
User response: Try running a different version of MVS.

OM8128 DMDT DOES NOT EXIST IN SP5 OR HIGHER SYSTEMS IN WLM GOAL MODE
Explanation: The DMDT, the Domain Descriptor Table, does not exist in MVS/SP 5.1 or later levels of MVS running in Workload Manager goal mode. The domain construct has no meaning in goal mode.
System action: Command execution terminates.
User response: Try using an MVS/SP 5.1 or later goal mode compatible command.

OM8130 WARNING NO GRS VECTOR TABLE
Explanation: In processing the GRS command the address of the GRS Vector Table was not found.
System action: Command execution terminates.
User response: Activate GRS before you issue the GRS command.

OM8140 TSO NOT AVAILABLE IN xxxx MODE
Explanation: The TSO command is not available in this mode, where xxxx indicates the mode.
System action: Command execution terminates.
User response: Issue TSO command in TS or LS modes only.

OM8141 STAX FAILED; RC=nn
Explanation: A STAX SVC was unsuccessful. nn is the STAX SVC return code.
System action: Command execution terminates.
User response: Reissue the command. If the problem persists, call IBM Software Support.

OM8142 IKJSCAN FAILED; RC=nn
Explanation: A non-zero return code was issued by the IKJSCAN routine, where nn is a two digit number.
System action: Command execution terminates.
User response: Reissue the command. If the problem persists, call IBM Software Support.

OM8143 ATTACH FAILED; RC=nn
Explanation: A non-zero return code was issued by the ATTACH SVC, where nn is a two digit number.
System action: Command execution terminates.
User response: Reissue command. If the problem persists, call IBM Software Support.

OM8144 COMMAND cccccc ENDED - NON-ZERO RETURN CODE is nn
Explanation: The command cccccc ended with a four digit (nnnn) non-zero return code.
System action: Command execution terminates.
User response: Use the return code to diagnose the error. Correct and re-execute the TSO command.

OM8145 TEST COMMAND NOT SUPPORTED UNDER OMEGAMON
Explanation: The OMEGAMON TSO command does not support the TEST command.
System action: Command execution terminates.
User response: Issue a command other than TEST.
OM8146  NO INFORMATION AVAILABLE
Explanation: No second level message chain exists for
? command.
System action: Command execution terminates.
User response: Issue a command other than ?.

OM8147  INVALID COMMAND NAME SYNTAX
Explanation: Invalid command syntax in TSO
command.
System action: Command execution terminates.
User response: Correct and reissue command.

OM8148  COMMAND ccccccccc NOT FOUND
Explanation: OMEGAMON cannot find command
cccccccc.
System action: Command execution terminates.
User response: Correct and reissue the command.

OM8149  COMMAND ccccccccc ENDED DUE TO
ATTENTION
Explanation: Command ccccccccc ended due to
depression of the ATTN/PA1 key.
System action: Command execution terminates.
User response: None.

OM8150  COMMAND ccccccccc ENDED DUE TO
ERROR - COMPLETION CODE IS
Snnnn Unnnn
Explanation: Command ccccccccc ended abnormally
with the System/User abend code displayed.
System action: Command execution terminates.
User response: Use the completion code to diagnose
the error. Correct and re-execute the command.

OM8201  NO SUCH ADDRESS SPACE
THRESHOLD GROUP DEFINED
Explanation: You entered a command to list an
address space threshold group that was not defined.
System action: Command execution terminates.
User response: Enter an address space threshold
group that is coded in your profile or use the ASG
command to add this address space threshold group to
your profile.

OM8203  NO CHANNEL AVAILABILITY TABLE
Explanation: No Channel Availability Table was found
for the channel identifier entered.
System action: None.
User response: Correct and reissue command with a
valid channel identifier.

OM8204  WARNING–RUNNING xxx
OMEGAMON ON yyy SYSTEM TYPE
OK (AND HIT ENTER TO CONTINUE
OR C TO CANCEL)
Explanation: OMEGAMON is built for xxx operating
system and is running on yyy operating system. This
causes functions and commands to fail.
System action: Startup continues if you enter OK.
User response: Install the yyy level of OMEGAMON
and then restart OMEGAMON.

OM8210  DATASET NAME LENGTH GREATER
THAN 44 (FROM LOC COMMAND)
Explanation: The dataset name that you entered was
greater than 44 characters in length.
System action: Command execution terminates.
User response: Enter a valid dataset name.

OM8211  GQSCAN FAILURE, R/C = nn
Explanation: GQSCAN returned an invalid return
code nn.
System action: Command execution terminates.
User response: Look for a description of the return
code in the Supervisor SPL. If problem persists call IBM
Software Support.

OM8212  MAJOR ENQUEUE NAME LENGTH
ERROR (MAX = 8)
Explanation: The major enqueue name that you
entered was greater than eight characters in length.
System action: Command execution terminates.
User response: Enter a valid enqueue name.

OM8213  MINOR ENQUEUE NAME LENGTH
ERROR (MAX = 44)
Explanation: The minor enqueue name that you
entered was greater than 44 characters in length.
System action: Command execution terminates.
User response: Enter a valid minor enqueue name.
OM8214  INVALID GENERIC MINOR ENQUEUE NAME REQUEST

Explanation: You placed an * in a position other than the end of the enqueue name.

System action: Command execution terminates.

User response: Delete all characters that follow the asterisk and retry the command.

OM8215  INVALID HEX CHARACTER STRING

Explanation: You entered hex data that contained characters that are not hex.

System action: Command execution terminates.

User response: Correct the enqueue name and re-enter.

OM8216  SYNTAX ERROR

Explanation: An invalid hex entry was specified for the enqueue name.

System action: Command execution terminates.

User response: Correct the enqueue name and re-enter.

OM8217  ERROR GQSCAN ABEND S09A

Explanation: GQSCAN encountered an unrecoverable error.

System action: Command execution terminates.

User response: Try function again. If problem persists call IBM Software Support.

OM8218  ERROR GQSCAN RETURN CODE - nm

Explanation: GQSCAN returned an invalid return code nm.

System action: None.

User response: Look for a description of the return code in the Supervisor SPL. If problem persists call IBM Software Support.

OM8230  GREATER THAN MAX PERF GROUP

Explanation: You requested a performance group that was greater than the highest performance group specified in the system.

System action: Command execution terminates.

User response: Enter a performance group that is valid for your system.

OM8231  F IS INVALID WITH THIS COMMAND

Explanation: No fixed frames exist for the region being displayed.

System action: Command execution terminates.

User response: Correct and reissue the command without the F argument.

OM8240  STAT WORKAREA NOT AVAILABLE

Explanation: An internal work table was invalidated.

System action: Command execution terminates.

User response: Ensure that RMF is still active in the system. If the problem persists call IBM Software Support.

OM8241  RMF ROUTINE NOT ACTIVE (RC = nn)

Explanation: You entered a command which requires data from RMF and RMF is not running on this system.

System action: None.

User response: Start RMF and re-enter the command after RMF initializes.

OM8242  RMF NOT ACTIVE (RC = nn)

Explanation: You entered a command which requires data from RMF and RMF is not running on this system.

System action: Command execution terminates.

User response: Start RMF and re-enter the command after RMF has initialized.

OM8243  DEVICES NOT BEING MONITORED BY RMF

Explanation: The command requires RMF Device reporting of tape or DASD to be active and it is not.

System action: None.

User response: Modify RMF to add the required report option for collection.

OM8244  RMF NOT COLLECTING DATA FOR THIS DEVICE CLASS

Explanation: No RMF data is being collected for the device class selected.

System action: Command execution terminates.

User response: Correct and reissue the command specifying a different device class.
<table>
<thead>
<tr>
<th>Code</th>
<th>Message</th>
<th>Explanation</th>
<th>System action</th>
<th>User response</th>
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<td>INTERNAL ERROR (RC=nn)</td>
<td>An OMEGAMON logic error was detected.</td>
<td>Command execution terminates.</td>
<td>Call IBM Software Support.</td>
</tr>
<tr>
<td>OM8246</td>
<td>CHANNEL PATH WORK AREA NOT AVAILABLE</td>
<td>A channel path work area was not available.</td>
<td>Command execution terminates.</td>
<td>Reissue the command. If the problem persists, call IBM Software Support.</td>
</tr>
<tr>
<td>OM8247</td>
<td>RMF DEVICE STATISTICS NOT AVAILABLE (RC=nn)</td>
<td>No RMF statistics are available for the device you selected.</td>
<td>Command execution terminates.</td>
<td>Correct and reissue the command specifying a different device.</td>
</tr>
<tr>
<td>OM8248</td>
<td>DATA NOT AVAILABLE FOR DEVICE (RC=nn)</td>
<td>No data is available for the logical control unit you selected.</td>
<td>Command execution terminates.</td>
<td>Correct and reissue the command specifying a different LCU.</td>
</tr>
<tr>
<td>OM8260</td>
<td>MEMORY AT xxxxx IS FETCH (STORE)-PROTECTED (FROM MZAP, MLST COMMANDS)</td>
<td>The memory at xxxxx cannot be fetched or stored into because it is fetch protected.</td>
<td>No zap applied.</td>
<td>Add the authorized character to override the protection.</td>
</tr>
<tr>
<td>OM8271</td>
<td>MODULE DID NOT COME FROM AN APF LIBRARY</td>
<td>Module was loaded from a library that is not APF authorized or that lost APF authorization.</td>
<td>Command execution continues.</td>
<td>Ensure that STEPLIB references are APF authorized in all libraries.</td>
</tr>
<tr>
<td>OM8272</td>
<td>MODULE WAS NOT FOUND MARKED AC=1</td>
<td>Module was not link edited with AC=1 in the link edit PARM.</td>
<td>Command execution continues.</td>
<td>Relink module.</td>
</tr>
<tr>
<td>OM8273</td>
<td>MODULE WAS FOUND IN THE TCB/RB CHAIN</td>
<td>An unexpected module was found in the TCB/RB chain. This may be why OMEGAMON is not authorized.</td>
<td>Command execution continues.</td>
<td>See this product’s OMEGAMON II for MVS: Configuration and Customization Guide for ways to install OMEGAMON authorized.</td>
</tr>
<tr>
<td>OM8274</td>
<td>ENTRY NOT FOUND IN THE APF LIST</td>
<td>You requested to delete a dataset from the APF list. The dataset was not in the APF list.</td>
<td>Command execution terminates.</td>
<td>Retry the command with a dataset that is in the APF LIST.</td>
</tr>
<tr>
<td>OM8275</td>
<td>ENTRY ALREADY EXISTS IN THE APF LIST</td>
<td>You attempted to add a dataset to the APF list. The dataset was already in the APF list.</td>
<td>Command execution terminates.</td>
<td>Retry the command with a dataset that is not in the APF list.</td>
</tr>
<tr>
<td>OM8276</td>
<td>GETMAIN FAILED FOR NEW APF LIST</td>
<td>There was not enough SQA storage available to get an area for the new APF list.</td>
<td>Command execution terminates.</td>
<td>Call IBM Software Support if command repeatedly fails.</td>
</tr>
</tbody>
</table>
OM8277  SYNTAX ERROR NEAR COLUMN FLAGGED ABOVE
Explanation: A syntax error was found in validating information about a library.
System action: Command execution terminates.
User response: Ensure proper specification of DSN and volser, then retry command.

OM8278  DATASET NAME OR VOLUME SERIAL NOT SUPPLIED
Explanation: You did not enter the dataset name and volume serial number required for the command.
System action: Command execution terminates.
User response: Ensure that you specify all required fields (DSN, VOL).

OM8279  NEW VOLUME SERIAL NOT SUPPLIED
Explanation: You attempted to catalog a volume serial number of a dataset in the APF list. You did not supply a new volume serial number.
System action: Command execution terminates.
User response: Specify the NVOL operand with the new volume serial number.

OM8280  CONSOLE NOT FOUND
Explanation: The console specified could not be found in the system.
System action: None.
User response: Specify a valid console number.

OM8281  CSVAPF FAILED FOR DYNAMIC APF LIST, RC=nnn REAS=mmmm
Explanation: The CSVAPF service returned a non-zero return code.
System action: The system terminates command execution.
User response: Refer to the IBM Application Development Reference manual for CSVAPF return codes and reason codes.

OM8283  SVC TABLE UPDATE ERROR - RC = nnnnn
Explanation: An error occurred updating the SVC table. The return code nnnnn is from the SVCUPDTE macro.
System action: LPAM adds the module, but the SVC table is not updated.

OM8284  INVALID LPAM MODIFY REQUEST - PROGRAM IS A TYPE 1, 2, OR 6 SVC
Explanation: You cannot use LPAM to process SVC type 1, 2, and 6 modules.
System action: Command execution terminates.
User response: See message OM8307.

OM8285  MODULE FOUND IN FIXED LPA, NOT DELETED
Explanation: You cannot delete a module that exists in the FLPA.
System action: Command execution terminates.
User response: Specify a module name that is not in the FLPA.

OM8286  MODULE NOT CURRENTLY IN MODIFIED LPA
Explanation: You attempted to delete a module that was not found in the MLPA.
System action: Command execution terminates.
User response: Specify a module that is in the MLPA.

OM8287  MODULE NOT FOUND IN THE LPA
Explanation: You attempted to list a module that is not in the LPA.
System action: Command execution terminates.
User response: Specify the name of a module that is currently in LPA.

OM8288  LPAM FAILED - MODULE ALREADY ON ACTIVE LPA QUEUE
Explanation: The LPAMM command is already on the active LPA queue. LPAMM cannot modify a module previously placed in this state.
System action: Command execution terminates.
User response: To modify the module again, first delete the entry using LPAMD and add the new module using LPAMM.

OM8289  MODULE NOT FOUND IN cccccccc
Explanation: A search of the directory of dataset cccccccc was made but the module was not found.
System action: Command execution terminates.
User response: Ensure that the specified module exists in the dataset specified.
<table>
<thead>
<tr>
<th>OM8290</th>
<th>PROGRAM NAME NOT SUPPLIED - ENTER (PGM=)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The LPAM command was issued without the required operand. You did not specify the required PGM keyword on the LPAMM or LPAMD command.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Command execution terminates.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Respecify the command with the program name that you wish to list.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OM8291</th>
<th>LOAD LIBRARY NAME NOT SUPPLIED - ENTER (DSN=)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>LPAMA and LPAMM require a library name to get the module from.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Command execution terminates.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Specify the dataset name for the library that contains the module.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OM8292</th>
<th>LOAD LIBRARY ALLOCATION FAILURE - RC=nn ERROR=cc INFO=cc</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>An attempt to allocate the specified library failed. RC=nn, ERROR=cc, and INFO=cc are the dynamic allocation return, error, and information reason codes.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>LPAM command execution terminates.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Make sure that the dataset name specified on the DSN parameter is correct and that the specified dataset is accessible to the system on which the OMEGAMON session is executing.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OM8293</th>
<th>GLOBAL LOAD FAILED - ABEND CODE = xxx</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>An attempt to load the LPAMLIB failed. xxx is the load return code.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Command execution terminates.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Refer to the IBM Supervisor Services SPL manual for load return codes.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OM8297</th>
<th>JOBNAME ccccccc NOT FOUND</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>You attempted to cancel job ccccccc, which was not running on the system.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Command execution terminates.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Specify a currently active job.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OM8298</th>
<th>ASID nnn REPRESENTS JOB ccccccc</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>You attempted to cancel job ccccccc where the ASID nnn did not match the jobname specified.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Command execution terminates.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OM8299</th>
<th>CALLRTM FAILED - RC = nn</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The RTM service returned a non-zero return code.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Command execution terminates.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Refer to the IBM Supervisor Services SPL manual for CALLRTM return codes.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OM8300</th>
<th>NO ASCBCCHAP ROUTINE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The address of the CHAP routine was not found in the CVT. In post SE1 systems this is a trivial problem since CHAP does not affect most address spaces. MVS has lost its ability to address IEVEACO.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Command execution terminates.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>If problem persists call IBM Software Support.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OM8305</th>
<th>aaa/ccc - STORAGE UNAVAILABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The variable aaa/ccc can be one of the following:</td>
</tr>
<tr>
<td><strong>CSA/MOD</strong></td>
<td>CSA storage unavailable for module.</td>
</tr>
<tr>
<td><strong>SQA/CDE</strong></td>
<td>SQA storage unavailable to build CDEs.</td>
</tr>
<tr>
<td><strong>SQA/SMF</strong></td>
<td>SQA storage unavailable for SMF tables.</td>
</tr>
<tr>
<td><strong>PVT/MOD</strong></td>
<td>Private area storage unavailable for module.</td>
</tr>
<tr>
<td><strong>PVT/DEL</strong></td>
<td>Private area storage unavailable for DELETE list.(Needed for internal processing of a DELETE request.)</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>LPAM command terminates.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>If CSA or SQA was unavailable, retry the request at a time when more area is available. If the private area was unavailable, retry with OMEGAMON running in a larger region.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OM8306</th>
<th>PRIMARY LOAD MODULE NOT FOUND</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>You specified an alias name in the PGM= parameter and the primary load module was not found in the load library.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Command execution terminates.</td>
</tr>
</tbody>
</table>
| **User response:** | Determine the cause of the problem. A possible solution would be to re-linkedit or re-copy the
load module and all of its aliases and retry the command.

OM8307  ccccccc REPLACES A TYPE 1, 2, OR 6 SVC

Explanation: You attempted to issue LPAM to replace a module that is a type 1, 2, or 6 SVC. LPAM does not support replacement of type 1, 2, or 6 SVCs.

System action: Command execution terminates.

User response: Refer to the IBM SPL: System Generation Reference for instructions to replace the SVC.

OM8308  REQUEST TERMINATED DUE TO PREVIOUS ERRORS

Explanation: Errors occurred during LPAM processing.

System action: Command execution terminates.

User response: See the error preceding the messages to determine whether you can resolve the problems and then retry the command.

OM8309  ccccccc INVALID FOR EXTENDED SVC ROUTER TABLE

Explanation: An SVC router (IGX00cccc) module is being processed and the SVC router code (nnn) is higher than the system allows.

System action: Command execution terminates.

User response: See message OM8307.

OM8310  SVC VALUE CONFLICTS WITH PGM=cccccccc

Explanation: The value of the SVC parameter does not match the SVC number indicated by the PGM name.

System action: Command execution terminates.

User response: Verify that the PGM name is correct. If so, the SVC parameter value must equal the SVC indicated by the PGM name. Note that you do not need the SVC parameter in this situation.

OM8313  ccccccc IS IN OVERLAY STRUCTURE

Explanation: You attempted to process load module ccccccc, which is link-edited in an overlay structure. LPAM does not support modules that are link-edited in an overlay structure.

System action: Command execution terminates.

User response: Refer to the IBM SPL: System Generation Reference for instructions to replace the module.

OM8314  SYNTAX ERROR NEAR COLUMN FLAGGED ABOVE

Explanation: A syntax error was found, and the command could not be interpreted. The * indicates where the error was.

System action: Command execution terminates.

User response: Correct the command and re-enter.

OM8315  SMF EXIT TABLE ID NOT FOUND: cccc

Explanation: The SMF subsystem ID specified by the SMFSYS= parameter was not found in the system.

System action: Command execution terminates.

User response: Specify the correct SMF system ID.

OM8323  NOT IN AUTOMATIC MODE - RETURN IGNORED

Explanation: OMEGAMON received a .RTN command.

System action: OMEGAMON ignores the command.

User response: None.

OM8324  WARNING: NEW SVC MODULE ccccccc BEING ADDED

Explanation: The SVC to be added by LPAMM has no LPDE and its current SVC table entry point is IGCERROR. A subsequent LPAMD deletion of the SVC returns it to its original state.

System action: Command continues normally.

User response: Note that if you issue the SVC after deleting it with LPAMD, the system abends the issuing task.

OM8324(IMS)  NO TARGET SCREEN SPACE

Explanation: OMEGAMON found a syntax error in the .RTN command.

System action: OMEGAMON ignores the command.

User response: Correct the .RTN command, save the screen space, and reinvoke the screen space.

OM8325  NEW SVC ccccccc HAS UNEXPECTED SVC TABLE ENTRY POINT

Explanation: The SVC to be added by LPAMM has no LPDE, but the SVC table entry point is not IGCERROR as expected. A subsequent LPAMD deletion of the SVC does not restore it to its original state.

System action: Command execution terminates.

User response: If you still want to add the SVC, use
the FORCE operand of the LPAMM command. Note that if you issue the SVC after deleting it with LPAMD, the system abends the issuing task.

OM8326  cccccc INVALID FOR LPAM
Explanation: You cannot use the LPAM command to load module cccccc.
System action: Command execution terminates.
User response: None.

OM8327  INVALID ARGUMENT. USE M, D, OR BLANK.
Explanation: The LPAM command allows only the following arguments:
M Modify
D Delete
(blank) List
System action: Command execution terminates.
User response: Use the appropriate argument for LPAM.

OM8328  LPDE AND SVC TABLE ENTRY POINT MISMATCH
Explanation: The entry point in the LPDE entry for this module does not match that in the SVC table.
System action: Command execution terminates.
User response: This operation is very likely to compromise system integrity. Retry the operation specifying the FORCE operand of the LPAMM command only if you are absolutely sure of the result of this operation. Also note that LPAMD is not able to restore the original status of the system.

OM8329  APF LIST IS FULL, CANNOT ADD
Explanation: The APF list has the maximum number of entries (that is, 255). You can’t add any more.
System action: Command execution terminates.
User response: To add another entry, first delete one of the current entries.

OM8330  UNABLE TO OPEN LIBRARY
Explanation: The OPEN failed for the dataset specified in the DSN parameter for the LPAM command.
System action: Command execution terminates.
User response: Make sure that the correct dataset name has been specified and that the OMEGAMON session has read access authority to the dataset.

OM8331  cccccc IS NOT EXECUTABLE
Explanation: The directory entry for the module specified with the LPAMM command was marked non-executable.
System action: The LPAMM command execution terminates.
User response: Do not attempt to add modules which are marked non-executable.

OM8332  ALIAS AND MAJOR MODULE TTR MISMATCH - cccccc
Explanation: The module has an alias whose TTR does not match the TTR for the main module.
System action: LPAM processing for that alias is ignored. The new module added via LPAMM cannot be referenced using the ignored alias.
User response: If the alias should have been assigned to the load module, follow these steps:
1. Reassign the alias in the dataset specified by the DSN operand of the LPAM command to correct the TTR.
2. Use the D option of the LPAM command to delete the module just loaded with LPAMM.
3. Reload the module with the corrected alias using LPAMM.

OM8333  MODULE HAS MORE THAN 16 ALIASES - CANNOT LPAM
Explanation: LPAMM allows only 16 aliases for a module.
System action: LPAM command execution terminates.
User response: If none of the aliases are needed, use LPAMM with the NOALIAS parameter to add the module.

OM8335  MORE THAN 49 ALIASES; ONLY FIRST 49 DELETED
Explanation: LPAMD can only delete up to 49 aliases of a module.
System action: The module and its first 49 aliases are deleted. Additional aliases remain on the active LPA queue. Programs attempting to access the deleted module with any of the remaining aliases may abend.
User response: Schedule an IPL to remove the remaining aliases from the active LPA queue.

OM8336  TOO MANY SMFSYS NAMES SPECIFIED
Explanation: The SMFSYS parameter of LPAM allows only 7 SMF subsystem names to be specified.
OM8339 • OM8353

System action: The LPAM command terminates.

User response: If you want the exit to be added for all SMF subsystems, omit the SMFSYS parameter.

OM8339 MODULE LOGICALLY DELETED; CSA NOT FREED

Explanation: The specified SMF exit has been logically removed from the subsystems specified on the SMFSYS parameter. However, the exit is still in use by other SMF subsystems. The module storage in CSA is not freed.

System action: The LPAMD is successful for the specified subsystems.

User response: None. This is an informational message only.

OM8342 LOAD LIBRARY UNALLOCATION FAILURE - RC=nn ERROR=cc INFO=cc

Explanation: An attempt to unallocate the specified library has failed. RC=nn, ERROR=cc, and INFO=cc are the dynamic allocation return, error, and information reason codes.

System action: The LPAM command execution terminates.

User response: If the dataset is still allocated by the OMEGAMON session, and it is preventing other users from accessing the dataset, you may need to stop and restart the OMEGAMON session to free the allocation.

OM8343 cccccccc CURRENTLY IN USE

Explanation: LPAMD was requested for a module that is currently being used.

System action: The LPAM request is terminated.

User response: Reissue the LPAMD command when the module is no longer in use.

OM8348 MDF PROCESSING DISABLED. USE POPT COMMAND TO RESET.

Explanation: This command has been disabled because MDF=OFF was specified in the POPT command.

System action: The command is terminated.

User response: If you have an Amdahl MDF system, specify MDF=ON.

OM8349 DOMAIN AUTHORIZED TO OBTAIN DATA ONLY FOR DOMAIN n

Explanation: The current Amdahl domain is only authorized to collect data for itself. The current domain number is given in the message.

System action: The command continues to display data only for current domain.

User response: To avoid this message either specify the current domain number as an argument to the command, or authorize the domain to collect data for all domains (set authorization level “2” via hardware frame).

OM8350 COMMAND ONLY VALID FOR AMDAHL MDF SYSTEM

Explanation: This command pertains specifically to an Amdahl MDF system and will not function on another system.

System action: The command is terminated.

User response: None.

OM8351 DOMAIN NOT AUTHORIZED FOR DATA COLLECTION; RC=nn

Explanation: The current Amdahl domain is not authorized (via the hardware CA frame) to collect data requested about MDF.

System action: The command discontinues attempts to collect the data.

User response: The authorization level on the Amdahl CA frame should be 2 to collect data for all domains or 1 to collect data for only the current domain. For full OMEGAMON functionality with respect to MDF support, the authorization level should allow all domain data collection (2).

OM8352 MDF IIC MRSD INTERFACE ERROR OCCURRED; RC=nn

Explanation: A problem occurred while using the Amdahl MDF IIC interface.

System action: The command discontinues attempts to collect MDF data.

User response: Record the message number and return code (RC) and call IBM Software Support.

OM8353 MDF IIC MDFWATCH INTERFACE ERROR OCCURRED; RC=nn

Explanation: A problem occurred while using the Amdahl MDF IIC interface.

System action: The command continues attempts to collect MDF data.

User response: Record the message number and return code (RC) and call IBM Software Support.
OM8354  MDF RMI MRSD INTERFACE ERROR OCCURRED; RC=nn
Explanation: A problem occurred while using the Amdahl MDF RMI interface.
System action: The command discontinues attempts to collect MDF data.
User response: Record the message number and return code (RC) and call IBM Software Support.

OM8355  MDF RMI MDFWATCH INTERFACE ERROR OCCURRED; RC=nn
Explanation: A problem occurred while using the Amdahl MDF RMI interface.
System action: The command discontinues attempts to collect MDF data.
User response: Record the message number and return code (RC) and call IBM Software Support.

OM8356  MDF INTERFACE/OMEGAMON INTERNAL ERROR; RC=nn
Explanation: An internal error occurred while using the Amdahl MDF interface.
System action: The command discontinues attempts to collect MDF data.
User response: Record the message number and return code (RC) and call IBM Software Support.

OM8357  MDF INTERFACE NOT SUPPORTED IN THIS ENVIRONMENT
Explanation: The Amdahl MDF interface is not supported in the current system environment, for example in PMA or guest mode environments.
System action: The command is terminated.
User response: None.

OM8358  COMMAND REQUIRES APF AUTHORIZATION
Explanation: OMEGAMON must be authorized for this command to operate.
System action: The command is terminated.
User response: Authorize OMEGAMON (see OMEGAMON II for MVS: Configuration and Customization Guide).

OM8359  UNABLE TO ALLOCATE 4K WORKAREA; RC=nn
Explanation: OMEGAMON failed while trying to allocate a 4k page-fixed workarea. Possible meanings of the return code are as follows:
   24   GETMAIN failed.
   28   Page fix failed.
System action: The command is terminated.
User response: Increase the region size and try again. If the problem persists, call IBM Software Support.

OM8360  COMMAND ONLY VALID FOR PR/SM LPAR MODE OPERATIONS
Explanation: This command is valid only when operating under logical partitioning mode (PR/SM™).
System action: The command is terminated.
User response: None.

OM8361  PR/SM LPAR INTERFACE FAILURE
Explanation: The interface needed to gather the logical partitioning data has failed, and OMEGAMON is unable to provide the logical partitioning data.
System action: The command is terminated.
User response: Restart OMEGAMON. If the problem persists, call IBM Software Support.

OM8362  INVALID DATA FROM THE PR/SM LPAR INTERFACE
Explanation: Invalid data was returned from the interface so the LPAR command could not provide valid logical partitioning data.
System action: The command is terminated.
User response: Try the LPAR command again. If the problem persists, call IBM Software Support.

OM8363  LPAR COMMAND INTERNAL ERROR
Explanation: An internal error has occurred in the LPAR command.
System action: The command is terminated.
User response: None.

OM8364  INVALID PARAMETER FOR CHNM
Explanation: An unrecognized parameter was entered for CHNM.
System action: The command is terminated.
User response: Check the command syntax and respecify with the correct parameter.

OM8371  CHANNEL PATH ID NOT SPECIFIED FOR ADD OR DELETE FUNCTION
Explanation: The ADD or DELETE keyword was specified without a channel path ID.
OM8372  •  OM8386

System action:  The command is terminated.
User response:  Specify the channel paths to be added or deleted.

OM8372   CHANNEL PATH ID MUST BE BETWEEN 00 THRU ff
Explanation:  The channel path ID specified was outside of the valid range.
System action:  The command is terminated.
User response:  Specify the channel path (00 through ff).

OM8373   CHANNEL SET ID MUST BE SPECIFIED
Explanation:  The channel set ID was not specified in MVS/370 mode.
System action:  The command is terminated.
User response:  Specify the channel set ID required for MVS/370 mode.

OM8376   INVALID PARAMETER FOR CPUM
Explanation:  An unrecognized parameter was entered for CPUM.
System action:  The command is terminated.
User response:  Check the command syntax and respecify the command with the correct parameter.

OM8377   CPU ID NOT SPECIFIED FOR ADD OR DELETE FUNCTION
Explanation:  The ADD or DELETE keyword was specified without a CPU ID.
System action:  The command is terminated.
User response:  Specify the CPU IDs to be added or deleted.

OM8378   CPU ID MUST BE BETWEEN 0 THRU 15
Explanation:  The CPU ID specified was outside of valid range.
System action:  The command is terminated.
User response:  Specify the CPU ID between 0 through 15 (decimal).

OM8380   NOT ADDED. USE * ONLY IN LAST POSITION OF GROUP NAME.
Explanation:  The input group mask is not acceptable since the mask character * occurred before the last character.
System action:  The command terminates.
User response:  Correct the input group name mask.

OM8381   NOT ADDED. gggggggg DUPLICATES USERS IN GROUP hhhhhhhhh
Explanation:  The input group mask gggggggg cannot coexist with the group mask hhhhhhhhh; gggggggg specifies a subset of hhhhhhhhh.
System action:  The command terminates.
User response:  Correct the input group mask gggggggg or delete hhhhhhhhh.

OM8382   NOT ADDED. gggggggg IS CURRENTLY MONITORED IN GROUP hhhhhhhhh
Explanation:  The input group mask gggggggg cannot coexist with the group mask hhhhhhhhh; gggggggg specifies a subset of hhhhhhhhh.
System action:  The command terminates.
User response:  Correct the input group mask gggggggg or delete hhhhhhhhh.

OM8383   NOT ADDED. gggggggg IS ALREADY BEING MONITORED.
Explanation:  The input group mask gggggggg already exists.
System action:  The command terminates.
User response:  Respecify a non-existing input group mask.

OM8384   ADDED. gggggggg IS NOW BEING MONITORED.
Explanation:  The group mask gggggggg was successfully added for monitoring.
System action:  None.
User response:  None.

OM8385   DELETED. gggggggg IS NO LONGER BEING MONITORED.
Explanation:  The group mask gggggggg was successfully deleted from monitoring.
System action:  None.
User response:  None.

OM8386   NOT FOUND. gggggggg IS NOT CURRENTLY BEING MONITORED.
Explanation:  The group mask gggggggg does not exist for deletion.
System action: The command terminates.
User response: Correct the input group mask.

OM8387  KEYWORD IGNORED.  kkkkkkkk IS INVALID; VERIFY SYNTAX.
Explanation: The keyword specified with the command is not valid.
System action: The command terminates.
User response: Correct the keyword for the function to be performed.

OM8388  INVALID PARAMETER.  RESPECIFY kkkkkkkk  KEYWORD PARAMETER.
Explanation: The parameter specified with keyword kkkkkkkk is not valid.
System action: The command does not process the parameter.
User response: Enter an allowable parameter for the keyword.

OM8389  RTA NOT OPERATIONAL.  INSUFFICIENT PRIVATE REGION.
RTA NOT OPERATIONAL.  INSUFFICIENT ECSA.  RTA NOT OPERATIONAL.
VTAM INTERNAL TRACE INACTIVE.  RTA NOT OPERATIONAL.  VTAM NOT AT
SUPPORTED LEVEL.  RTA NOT OPERATIONAL.  RC= xx  SC= xxxxxxxx;
CALL CANDLE CORP.
Explanation: The RTA™ command cannot initialize. The message indicates the required action or, in some cases, gives the failure return code and sense code.
System action: The command does not operate.
User response: Follow the suggestion given in the message text.

OM8400  ENTRY NOT FOUND: cccc
Explanation: The entry requested does not exist.
System action: None.
User response: Check to make sure that the request is valid.

OM8401  INVALID PARAMETER SPECIFIED:
cccc
Explanation: The error may be due to an invalid keyword or invalid label.
System action: None.
User response: Correct the problem and retry.

OM8402  INVALID KEYWORD VALUE: cccc
Explanation: The error is due to an invalid value for keyword cccc.
System action: None.
User response: Correct problem and retry.

OM8403  ERROR DURING UPF INITIALIZATION
Explanation: An internal error occurred during User Profile Facility initialization.
System action: OMEGAMON continues its initialization processing, but all UPF-related functions are disabled for this session.
User response: Call IBM Software Support.

OM8390  TSO RESPONSE TIME ANALYZER NOT INSTALLED; CALL CANDLE CORP.
Explanation: The RTA command has not been installed in the load library currently being used.
System action: The command does not operate.
User response: Call IBM Software Support to order the RTA command.

OM8391  RTA NOT AVAILABLE.  LOAD ABEND=xxx-yy FOR OMRTASSS.
Explanation: The RTA command load module (system level sss) could not be loaded for the reason indicated by the ABEND code xxx and reason code yy.
OM8406 SYNTAX ERROR: reason
Explanation: A syntax error occurred. The reason for the error is listed.
System action: The command does not execute.
User response: Correct the error and retry.

OM8407 COMMAND ERROR: reason
Explanation: An error occurred while processing the command. The reason for the error is listed.
System action: The command does not execute.
User response: Correct the error, if possible, or call IBM Software Support.

OM8410 ERROR STORING INTO MEMORY-RESIDENT PROFILE OPTIONS TABLE
Explanation: An error occurred while OMEGAMON attempted to update the profile options.
System action: The user request cannot be completed.
User response: Further updates will probably fail. Restart OMEGAMON if immediate resolution is required. If the problem persists, call IBM Software Support.

OM8411 ERROR READING FROM THE MEMORY-RESIDENT PROFILE OPTIONS TABLE
Explanation: An error occurred while OMEGAMON attempted to read the profile options.
System action: The user request can not be completed.
User response: Further profile commands will probably fail. Restart OMEGAMON if immediate resolution is required. If the problem persists, call IBM Software Support.

OM8420 ERROR UPDATING ASTG TABLE
Explanation: An error occurred while OMEGAMON attempted to update the memory-resident Address Space Threshold Group table.
System action: The user request can not be completed.
User response: Further ASG commands will fail. Restart OMEGAMON if immediate resolution is required. If the problem persists, call IBM Software Support.

OM8421 ASTG TABLE INTERNAL ERROR
Explanation: An error occurred in the memory-resident Address Space Threshold Group table.
System action: The user request cannot be completed.
User response: Further ASG commands will fail. Restart OMEGAMON if immediate resolution is required. If the problem persists, call IBM Software Support.

OM8430 ERROR UPDATING DMN TABLE
Explanation: An error occurred while OMEGAMON attempted to update the memory-resident Domain Name table.
System action: The user request can not be completed.
User response: Further DMN updates will probably fail. Restart OMEGAMON if immediate resolution is required. If the problem persists, call IBM Software Support.

OM8440 ERROR UPDATING PGN TABLE
Explanation: An error occurred while OMEGAMON attempted to update the memory-resident Performance Group Name table.
System action: The user request can not be completed.
User response: Further PGN updates will probably fail. Restart OMEGAMON if immediate resolution is required. If the problem persists, call IBM Software Support.

OM8500 CSAF EXECUTES ONLY ONCE PER CYCLE
Explanation: Only one CSAF command can be on the screen at once.
System action: The CSA Analyzer ignores all subsequent CSAF commands on the screen.
User response: Enter only one CSAF command on the screen.

OM8501 SUBPOOL nnn IS NOT IN <CSA|ECSA|SQA|ESQA>
Explanation: Subpool number nnn is not in the common storage area specified by the AREA keyword.
System action: The CSA Analyzer ignores the command.
User response: Correct the value of the SUBPOOL keyword or the AREA keyword.
OM8502  RANGE DOES NOT OVERLAP CSA OR SQA
Explanation: The address range specified does not fall into any common storage area.
System action: The CSA Analyzer ignores the command.
User response: Correct the address range values specified in the RANGE keyword.

OM8503  SYSTEM AND JOB KEYWORDS ARE MUTUALLY EXCLUSIVE
Explanation: You cannot specify both SYSTEM and JOB keywords.
System action: The CSA Analyzer ignores the command.
User response: Enter only the SYSTEM or JOB keyword.

OM8504  PARAMETER FOR KEYWORD xxxxxxxx IS INVALID
Explanation: An invalid value for keyword xxxxxxxx was entered.
System action: The CSA Analyzer ignores the command.
User response: Re-enter the keyword, specifying a valid value.

OM8505  JOB REQUIRED. ENTER COMMAND WITH JOB PARAMETER
Explanation: The CSA Analyzer requires a JOB keyword for the command.
System action: The CSA Analyzer ignores the command.
User response: Re-enter the command, specifying a JOB keyword.

OM8506  ONLY KEY ZERO IS VALID FOR (E)SQA
Explanation: You specified a non-zero storage key for SQA or ESQA storage.
System action: The CSA Analyzer ignores the command.
User response: Re-enter the command, specifying KEY(0).

OM8507  NO DATA AVAILABLE
Explanation: CSAA has no information for the command request.
System action: None.
User response: None.

OM8511  CSAA IS NOT ACTIVE
Explanation: The CSAA manager address space is not running.
System action: The CSA Analyzer ignores the command.
User response: Start the CSAA Manager address space and retry the command. Refer to the OMEGAMON II for MVS: Configuration and Customization Guide for details.

OM8512  LOAD OF CSAA SUPPORT MODULE FAILED
Explanation: The CSA Analyzer did not find a required module for the operation of CSAA.
System action: The CSA Analyzer ignores the command.
User response: Ensure that all CSAA modules reside in the OMEGAMON load library. Refer to the OMEGAMON II for MVS: Configuration and Customization Guide for details.

OM8513  CSAA REPORTER INTERNAL LOGIC ERROR
Explanation: The CSAA reporter module abended.
System action: The CSA Analyzer ignores the command.
User response: Call IBM Software Support.

OM8514  CSAA MANAGER BUSY. TRY AGAIN
Explanation: The CSAA reporter could not process the command request because the CSAA manager was busy.
System action: The CSA Analyzer ignores the command.
User response: Retry the command.

OM8515  CSAA REPORTER ERROR.
Explanation: The CSAA reporter encountered an error.
System action: The CSA Analyzer ignores the command.
User response: Call IBM Software Support.
**OM8516**  <CSA|ECSA|SQA|ESQA>  MONITORING IS NOT ACTIVE

**Explanation:** CSAA is not monitoring the area specified in the AREA keyword.

**System action:** The CSA Analyzer ignores the command.

**User response:** When you next start the CSAA address space, specify monitoring for the given area. Refer to the OMEGAMON II for MVS: Configuration and Customization Guide for details.

**OM8517**  <SYSTEM|JOB> TRENDING IS NOT ACTIVE

**Explanation:** CSAA did not gather the necessary trending data.

**System action:** The CSA Analyzer ignores the command.

**User response:** When the CSAA address space is next started, specify trending for SYSTEM or job. Refer to the OMEGAMON II for MVS: Configuration and Customization Guide for details.

**OM8518**  VERSION MISMATCH. MANAGER Vmmm, REPORTER Vnnn

**Explanation:** The CSA Analyzer Manager’s version, vmmm, does not match the Reporter’s version, vnnn.

**System action:** The CSA Analyzer ignores the command.

**User response:** Ensure that all CSAA modules are at the same version.

**OM8519**  FREEMAIN EVENTS MISSED

**Explanation:** The CSA Analyzer was unable to record some freemains due to a buffer full condition.

**System action:** The CSA Analyzer ignores the command.

**User response:** When you next start CSAA, increase its amount of available fixed storage. Refer to the OMEGAMON II for MVS: Configuration and Customization Guide for details.

**OM8520**  CSAA UPDATE PROCESSING SUSPENDED AT mm/dd/yy hh:mm

**Explanation:** The CSA Analyzer has stopped processing.

**System action:** The system does not process the command.

**User response:** Make sure that the CSA Analyzer started task is running.

**OM8521**  OPERAND <operands> NOT PERMITTED

**Explanation:** The keyed parameter has been recognized but you used it incorrectly as an operand.

**System action:** The OMCSAA command processing edits the second and subsequent keyed parameters following the command. Those parameters must be operands which must be syntactical elements of the OMCSAA command argument being processed.

**Note:** The OMCSAA/CSAA arguments that use the JOB and SYSTEM adverbs to distinguish different report processing requirements use two specific sets of operands which are similar but not identical.

**User response:** Make the following changes:
1. Remove or correct the indicated operand.
2. Remove the command inhibit character (>).
3. Resubmit the command.

**OM8522**  VALUE <value> NOT PERMITTED

**Explanation:** Some of the OMCSAA keyed parameter specifications are keywords (i.e., they are unique names without an associated assignment value). The OMCSAA/CSAA arguments and the SYSTEM adverb are always keywords. They neither require nor permit an associated assignment value.

**System action:** Each keyed parameter is edited and evaluated syntactically. Whenever a specification violates a syntax rule, the appropriate OMCSAA diagnostic message is issued.

**User response:** Make the following changes:
1. Correct the command syntax.
2. Remove the command inhibit character (>).
3. Resubmit the command.

**OM8523**  <operand> IS REQUIRED

**Explanation:** You have not declared a required operand and no substitute value assignment is available. The JOB adverb and the AREA operand both lack default assignment values.

**System action:** When a specific OMCSAA command argument requires a particular operand that you have not supplied, the OMCSAA command processing attempts to provide an assignment value for the missing operand in the following manner:
1. The inherited value, the last value assigned to that operand when an OMCSAA command was processed successfully, is assigned to the current operand.
2. When an inheritable assignment value is a null value, the operand’s default value is assigned.
3. When the result is still a null value, a violation occurs and this message is issued.
User response: Make the following changes:
1. Provide the missing operand and value assignment.
2. Remove the command inhibit character (>).
3. Resubmit the command.

OM8525  <operand> VALUE NOT NAME

Explanation: The operand assignment value is not a name.

System action: A name value begins with an alphabetic character (A–Z). The JOB adverb and the AREA operand are associated with alphabetic assignment values.

User response: Make the following changes:
1. Correct the value assignment.
2. Remove the command inhibit character (>).
3. Resubmit the command.

OM8526  <operand> VALUE NOT NUMERIC

Explanation: The operand assignment value is not a number.

System action: A numeric value begins with the decimal digits (0–9) or with hexadecimal digits (A–F). The ASID, SUBPOOL, BOUNDS, MINSIZE, and RANGE operands are all associated with numeric assignment values.

User response: Make the following changes:
1. Correct the value assignment.
2. Remove the command inhibit character (>).
3. Resubmit the command.

OM8527  <operand> VALUE LIST NOT PERMITTED

Explanation: OMEGAMON does not directly support lists of assignment values.

System action: The (*) assignment value is a quasi-list list assignment. You may specify only the ASID and SUBPOOL operands with the (*) assignment value.

User response: Make the following changes:
1. Correct the value assignment.
2. Remove the command inhibit character (>).
3. Resubmit the command.

OM8530  ARGUMENT <text> NOT RECOGNIZED

Explanation: Each argument is a keyword which must be specified immediately after the command on the command line. The keyed parameter is not recognized as a valid OMCSAA specification if an argument is required.

System action: The OMCSAA command processing edits the first keyed parameter following the command. That parameter must be an argument.

Note: The OMCSAA/CSAF command is an exception to this rule.

User response: Make the following changes:
1. Correct the command specifications.
2. Remove the command inhibit character (>).
3. Resubmit the command.

OM8531  OPERAND <text> NOT RECOGNIZED

Explanation: Each operand is a keyword which must be entered as documented. Each operand is associated with a specific abbreviation.

System action: Operand specifications that are neither the acceptable full text nor the acceptable abbreviation are rejected.

User response: Make the following changes:
1. Correct the command specifications.
2. Remove the command inhibit character (>).
3. Resubmit the command.

OM8540  INSUFFICIENT MEMORY. REQUEST NOT PROCESSED

Explanation: The OMCSAA/CSAA DETAIL command may generate a significant number of CSA Events Extract Records. The nominal OMCSAA CSA Events Extraction Work Area is only 5120 bytes. OMCSAA has logic that will acquire a larger Extraction Work Area but that logic is conditional.

System action: OMCSAA command logic inhibits the automatic acquisition of a larger Extraction Work Area in order to minimize the overhead generated by continually issuing GETMAIN requests to the operating system last request.

User response: Either restrict the scope of the request or resubmit the command with the OMEGAMON action character in column 1.

OM8541  INSUFFICIENT MEMORY. <xxxxxx> KB ADDITIONAL MEMORY REQUIRED

Explanation: The OMCSAA/CSAA Events Extract Work Area may be expanded but the expansion requires allocatable memory in SUBPOOL (0).

System action: OMCSAA command processing has attempted to acquire the memory required to support the Extract Work Area. There is not enough memory available in SUBPOOL (0).

User response: Either restrict the scope of the OMCSAA/CSAA DETAIL command or re-initialize a new OMEGAMON session with a larger REGION size.
**OM8542**  
SCREEN OUTPUT EXCEEDS LROWS LIMIT

**Explanation:** Irrespective of the size of the OMCSAA/CSAA Events Extract Work Area, the ultimate limit upon the ability of OMEGAMON to display the CSA Analyses is the number of logical lines of display.

**System action:** There are more lines of data to be displayed than OMEGAMON can support.

**User response:** Either restrict the scope of the OMCSAA/CSAA DETAIL command or re-initialize a new OMEGAMON session with a larger LROWS size.

**Note:** The additional memory required to support a larger number of logical lines of display may reduce the ability to extract the analytical data from the CSA Events Database.

**OM8550**  
NOT ENOUGH MEMORY FOR WORKAREA - nnnnnK NEEDED.

**Explanation:** The specified command could not obtain a work area.

**System action:** The command terminates.

**User response:** Increase the region size of the address space by a minimum of nnnK. Alternatively, use the DATA minor of SEEK to decrease the work size area by nnnK.

**OM8551**  
WARNING WSIZ TOO SMALL - ADDR= xxxxxxxx SIZE= nnnn USED= nnnn.

**Explanation:** The SEEK SRB to collect data failed to complete its task because the data area it needed was small.

**System action:** None.

**User response:** Use the DATA minor of SEEK to increase the work area.

**OM8552**  
DEVICE INVALID OR OFFLINE

**Explanation:** The specified device either was not found in the UCB lookup table, or was found to be marked offline.

**System action:** Command execution terminates.

**User response:** Specify a valid volume or vary volume online.

**OM8553**  
WARNING; cccc FAILED VALIDITY CHECK

**Explanation:** The specified control block (ASCB, TCB, DSAB, JFCB, or JFCX) failed validation in the SRB routine for DATA minor of SEEK.

**System action:** DATA minor of SEEK does not collect dataset information for the address space which has failed validation.

**User response:** This is an informational message only.

**OM8555**  
WARNING INVALID RETURN CODE = xxxxxxxx (FROM DATA minor of SEEK COMMAND)

**Explanation:** The SRB to collect data failed to complete its task and returned an invalid return code to the user.

**System action:** Command execution terminates.

**User response:** Call IBM Software Support to report a possible problem.

**OM8556**  
INVALID PARAMETER SPECIFIED.

**Explanation:** An invalid parameter was encountered on the SEEK or DATA command line.

**System action:** The command is terminated.

**User response:** Check the syntax and respecify with the correct parameter.

**OM8557**  
VOLSER OR DEVICE PARAMETER REQUIRED.

**Explanation:** The volser or device address required by SEEK has not been specified.

**System action:** None.

**User response:** Specify the volser or device address and reissue the command.

**OM8558**  
SPECIFIED ITEM NOT FOUND.

**Explanation:** A seek operation was not observed on the sample number specified in the ITEM parameter, or no seek operations were observed for the specified jobname.

**System action:** No detail data items are displayed.

**User response:** This is an informational message only.

**OM8559**  
WARNING INVALID INTERVAL TIME SPECIFIED.

**Explanation:** The specified sample interval must be between 5 and 500 milliseconds.

**System action:** Processing continues with the default of 5 milliseconds assumed.

**User response:** This is an informational message only.
OM8560  WARNING INVALID SAMPLE COUNT SPECIFIED.

Explanation: The specified sample count was greater than 100.

System action: Processing continues with the maximum of 1000 samples assumed.

User response: This is an informational message only.

OM20001  OM2INIT HAS BEEN ENTERED

Explanation: Informational message concerning the progress of initialization.

System action: None.

User response: None.

OM20002  OM2CVT ADDRESS = hbbbbbb

Explanation: Informational message displaying the address of the communications vector table.

System action: None.

User response: None.

OM20003  MODULE FAILED LOAD modname

Explanation: During initialization, a number of functions must be loaded into storage. The message indicates that the module modname was not loaded into storage.

System action: OMEGAMON II for MVS cannot proceed without all functions available; therefore, the initialization is canceled.

User response: This is probably an installation problem. Review the installation process for errors.

OM20004  KM2RULE MODULE FAILED RC = rc

Explanation: The rules database must be loaded into storage during installation. The message indicates that the function responsible for KM2RULE failed and gave a return code of rc.

System action: OMEGAMON II for MVS cannot proceed without all data available; therefore, the initialization is canceled.

User response: This is probably an installation problem. Review the installation process for errors.

OM20005  RULES TABLE ADDR = hbbbbbb

Explanation: Informational message indicating the address of the rules table.

System action: None.

User response: None.

OM20006  GLOBAL DATA ARRAY ADDR = hbbbbbb

Explanation: Informational message indicating the address of the global data area.

System action: None.

User response: None.

OM20007  RULE DEFINED TO OM2ROUTER, ADDR= hbbbbbb NAME= rulename

Explanation: Informational message indicating the storage address that has been assigned to a rule.

System action: None.

User response: None.

OM20008  OM2 DEFINE FAILED, RC= rc ADDR RULE= hbbbbbb

Explanation: The rule at address hbbbbbb could not be defined, and the error return code was rc.

System action: The initialization has been canceled due to insufficient data.

User response: This is probably an installation problem. Review the installation process for errors.

OM20009  OM2INIT COMPLETE

Explanation: Informational message concerning the progress of initialization.

System action: None.

User response: None.

OM20010  OM2OPEN HAS BEEN ENTERED

Explanation: Informational message concerning the progress of initialization.

System action: None.

User response: None.

OM20011  OM2SCVT ADDR = hbbbbbb

Explanation: Informational message indicating the address of the secondary communications vector table.

System action: None.

User response: None.

OM20012  VTAM FAILURE SENSE CODE= xxx

Explanation: OMEGAMON II for MVS needs to log onto the realtime collector. The message indicates that the connection was not successful. VTAM provides a sense code which can help diagnose the problem.
OM20013 • OM22006

System action: The session ends.
User response: This is most often a setup problem. Check to make sure that the realtime collector is running and that the VTAM controls are properly activated. The sense code ‘100A0000’ indicates that the VTAM name of the collector (luname) is missing or inactive.


OM20013OME2OPEN HAS COMPLETED
Explanation: Informational message concerning the progress of initialization.
System action: None.
User response: None.

OM20016 M2CLOSE HAS BEEN ENTERED
Explanation: Informational message concerning the progress of initialization.
System action: None.
User response: None.

OM20017 SESSION NO LONGER ACTIVE WITH luname
Explanation: The user is logging off the session. The connection to the real time collector must also be closed. luname is the VTAM application name of the realtime collector.
System action: None.
User response: None.

OM20018 OM2CLOSE HAS COMPLETED
Explanation: Informational message concerning the progress of initialization.
System action: None.
User response: None.

OM22001 M2SESS HAS BEEN ENTERED
Explanation: Informational message concerning the progress of initialization. Module M2sess routine has been entered.
System action: None.
User response: None.

OM22002 NOW USING PROFILE pp
Explanation: This is an informational message indicating that the user requested an alternate collector profile using the Signon Panel logon options (F11).
System action: None.
User response: Check to make sure that the correct profile is being used.

OM22003 COLLECTOR SESSION ESTABLISHMENT FAILURE
Explanation: M2SESS attempted to connect to each of the three lunames specified in rhilev:RKANPAR(KM2IPARM) None were successful.
System action: The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.
User response: Determine if the rhilev:RKANPAR(KM2IPARM) lunames are spelled correctly. If so, determine if the required applications have been started and the application names have been varied active.

OM22004 PURGE EXIT CREATION FAILURE
Explanation: M2SESS failed to establish a purge exit to keep track of cases when the terminal is lost.
System action: The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.
User response: This is an internal error. Notify IBM Software Support.

OM22005 PURGE EXIT CREATED FOR PHYSICAL DEVICE
Explanation: This is an informational message indicating that M2SESS successfully established a purge exit to keep track of cases when the terminal is lost.
System action: None.
User response: None.

OM22006 OMEGAMON COPYRIGHT SCREEN RECEIVE FAILURE
Explanation: M2SESS failed to read the first screen (a copyright notice).
System action: The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.
User response: Check to see if your VTAM parameters have been set up correctly.
OM22007  LOGON SCREEN SEND FAILURE
Explanation:  M2SESS attempted to send the logon commands to the realtime collector. The send did not complete successfully.
System action: The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.
User response: Check to see if your VTAM parameters have been set up correctly.

OM22008  LOGON SCREEN RECEIVE FAILURE
Explanation:  M2SESS attempted to read a realtime collector screen. The receive did not complete successfully.
System action: The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.
User response: Check to see if your VTAM parameters have been set up correctly.

OM22009  OMEGAMON REJECTED USERS LOGON ATTEMPT
Explanation:  M2SESS attempted to understand a realtime collector screen.
System action: The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.
User response: Check to see if your VTAM parameters have been set up correctly.

OM22010  COLLECTOR PROFILE(pp) REQUESTED(qq)
Explanation:  M2SESS determined that the realtime collector profile is different from the one requested.
System action: The attempt to logon is continued.
User response: Check that DATA=YES is specified for the realtime collector. DATA=NO would cause the requested profile to be ignored. Check also if the profile exists in the real time collector profile libraries.

OM22013  LOG SEND FAILURE
Explanation:  M2SESS attempted to send the LOG command to the realtime collector, to turn on screen logging. The send did not complete successfully.
System action: The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.
User response: Check to see if your VTAM parameters have been set up correctly.

OM22014  LOG RECEIVE FAILURE
Explanation:  M2SESS attempted to receive the screen following the LOG command. The receive did not complete successfully.
System action: The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.
User response: Check to see if your VTAM parameters have been set up correctly.

OM22015  COMMAND SEND FAILURE
Explanation:  M2SESS attempted to send a command to the realtime collector. The send did not complete successfully.
System action: The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.
User response: Check to see if your VTAM parameters have been set up correctly.

OM22016  COMMAND RECEIVE FAILURE
Explanation:  M2SESS attempted to read the screen following a command to the realtime collector. The receive did not complete successfully.
System action: The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.
User response: Check to see if your VTAM parameters have been set up correctly.

OM22017  SESSION ESTABLISHED WITH luname FOR USER userid
Explanation:  Informational message concerning progress of the initialization. luname is the realtime collector luname and userid is the userid which has been used to logon to the realtime collector.
System action: None.
User response: None.

OM22018  M2SESS ROUTINE COMPLETE
Explanation: The connection between OMEGAMON for MVS and OMEGAMON II for MVS has completed.
System action: None.
User response: None.


OM22019  M2SESS: LROWS(\text{xxx}) INVALID; SESSION TERMINATED

Explanation: M2SESS determined that the LROWS parameter was invalid.

System action: The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.

User response: Correct the LROWS value in rhilev.RKANPAR(KM2IPARM).

OM22020  KM2SESS: LROWS(\text{xxx}) IS TOO SMALL AND MINIMUM IS 99; SESSION TERMINATED

Explanation: M2SESS determined that the LROWS parameter was invalid.

System action: The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.

User response: Correct the LROWS value in rhilev.RKANPAR(KM2IPARM).

OM22021  OMEGAMON COPYRIGHT SCREEN TOO SMALL, DATA(\text{xxx})

Explanation: The expected OMEGAMON copyright screen was not received.

System action: The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.

User response: Check to see if your VTAM parameters have been set up correctly.

OM22022  LOGMODE \text{xxxxxxxxx} INVALID. MUST NOT BE QUERIABLE.

Explanation: The expected OMEGAMON copyright screen was not received.

System action: The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.

User response: The LOGMODE for the terminal being used must not be queriable.

OM22023  LOGON FAILED, OM SECURITY NOT INSTALLED

Explanation: The logon to OMEGAMON failed.

System action: The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.

User response: Refer to the OMEGAMON II for MVS: Configuration and Customization Guide for how to install command level security.

OM22024  LOGON TO OMEGAMON FAILED; SEE RKLVSNAP

Explanation: The logon to OMEGAMON failed.

System action: The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.

User response: Check the RKLVSNAP dataset for diagnostic information.

OM22030  SUBTASK COLLECTOR SESSION ESTABLISHMENT FAILURE

Explanation: The attempt to establish a session with the OMEGAMON subtask realtime collector failed.

System action: The user is terminated.

User response: Call IBM Software Support and have the RKLVLOG messages available.

OM22031  SESSION ESTABLISHED WITH OMEGAMONSUBTASK FOR USER \text{userid}

Explanation: Informational message concerning progress of the initialization. \text{userid} is the userid which has been used to logon to the realtime collector.

System action: None.

User response: None.

OM22032  OMEGAMON SUBTASK TERMINATED FOR USER \text{userid}

Explanation: Informational message indicating that the connection between OMEGAMON and OMEGAMON II has been terminated for \text{userid}.

System action: None.

User response: None.

OM22033  $OMON START RETURNED RC=nn, R0=nn

Explanation: A session with the OMEGAMONSUBTASK could not be started.

System action: The user is terminated.

User response: Call IBM Software Support and have the RKLVLOG messages available.

OM22034  $OMON RCV RETURNED RC=nn

Explanation: A receive from the OMEGAMON SUBTASK failed.

System action: User session is terminated.

User response: This is an internal error. Notify IBM Software Support.
OM22035  •  OM003I(cont6)

OM22035  SOMON SEND RETURNED RC=nn
Explanation: A send to the OMEGAMON SUBTASK failed.
System action: User session is terminated.
User response: This is an internal error. Notify IBM Software Support.

OM22036  WARNING - PUTVAR FOR KM2DEHDL RETURNED RC=nn
Explanation: The user’s session identification for the OMEGAMON SUBTASK could not be saved.
System action: User session is terminated.
User response: This is an internal error. Notify IBM Software Support.

OM22037  SESSION TERMINATED WITH applid FOR USER userid
Explanation: Informational message indicating that the connection between OMEGAMON and OMEGAMON II has been terminated for userid.
System action: None.
User response: None.

OM001I  OBVTAM VERSION Vnn INITIALIZATION
Explanation: The OBVTAM support program, version nnn, is initializing.
System action: OBVTAM processing continues.
User response: None.

OM003I  APPL applid OPENED SUCCESSFULLY
Explanation: The OPEN macro for the VTAM ACB was successful.
System action: Initialization processing continues.
User response: None. OBVTAM is ready to accept logons.

OM003I  APPL cccccccc FAILED TO OPEN - reason
Explanation: OBVTAM attempted to open an ACB to VTAM with the identifier cccccccc. The attempt failed for the reason specified.
System action: If the reason is a retryable condition (for example, if the network APPL is inactive at the time OBVTAM attempts access), OBVTAM retries the operation for up to 30 minutes. Otherwise, OBVTAM terminates.
User response: The reasons that appear follow. Take

the appropriate action for the reason that appears with this message.

OM003I(cont1)  APPL ALREADY OPEN
Explanation: Another MVS job or started task has the OBVTAM network APPL allocated.
System action: OBVTAM terminates.
User response: Contact the VTAM systems programmer at your installation.

OM003I(cont2)  APPL IS INACTIVE
Explanation: OBVTAM attempted to open an ACB to VTAM for an network APPL that was inactive.
System action: OBVTAM attempts access again for up to 30 minutes.
User response: Activate the network APPL.

OM003I(cont3)  APPL IS IN CLEANUP
Explanation: VTAM has not completed recovery processing after an OBVTAM failure.
System action: Once VTAM processing is complete, the network APPL becomes available to OBVTAM automatically.
User response: None. This is an informational message only.

OM003I(cont4)  APPL NOT DEFINED
Explanation: The OBVTAM APPL was not defined to VTAM.
System action: OBVTAM terminates.
User response: Contact the VTAM systems programmer at your installation to define an APPL to VTAM for OBVTAM. Restart OBVTAM.

OM003I(cont5)  VTAM ERROR CODE nn
Explanation: The error code associated with the VTAM OPEN ACB process was nn.
System action: If the error code is 14, OBVTAM retries the operation for up to 30 minutes. Otherwise, OBVTAM terminates.
User response: Write down the VTAM error code and contact the VTAM systems programmer at your installation, or contact IBM Software Support.

OM003I(cont6)  VTAM IS NOT ACTIVE
Explanation: OBVTAM was started before VTAM.
System action: OBVTAM attempts to open the network APPL for up to 30 minutes.

Chapter 9. OM Messages  217
OMV004I  OBVTAM MUST BE APF AUTHORIZED TO BE NON-SWAPPABLE

Explanation: The OBVTAM start parameter included SWAP=N, but OBVTAM cannot mark itself non-swappable without APF authorization.

System action: OBVTAM processing continues, but OBVTAM will remain non-swappable.

User response: If you want OBVTAM to be non-swappable, restart it from an APF-authorized library.

OMV005I  cccccccc FM/TS PROFILE nnnn NOT SUPPORTED

Explanation: Secondary Logical Unit cccccccc tried to establish a session using a VTAM Logmode that specifies an FM/TS session profile of nnnn. OBVTAM supports FM/TS profiles 0303 and 0202 only.

System action: OBVTAM rejects the session request from SLU cccccccc.

User response: Select a VTAM Logmode which specifies a supported FM/TS profile, or select an alternate device.

OMV006I  SESSION ESTABLISHED FOR aaaaaaaa/bbbbbbbb

Explanation: A VTAM session was established between OBVTAM (network identifier aaaaaaaa) and Secondary Logical Unit bbbbbbbb.

System action: OBVTAM processing continues; initialization starts for an OMEGAMON session.

User response: None.

OMV007I  SESSION INITIATION FAILED FOR aaaaaaaa/bbbbbbbb: cc dddd eeee ffff

Explanation: The initiation of a session between OBVTAM (network identifier aaaaaaaa) and Secondary Logical Unit bbbbbbbb failed. The VTAM status associated with the request is:

<table>
<thead>
<tr>
<th>cc</th>
<th>VTAM request code</th>
</tr>
</thead>
<tbody>
<tr>
<td>dddd</td>
<td>VTAM return code information</td>
</tr>
<tr>
<td>eeee</td>
<td>SNA system sense field</td>
</tr>
<tr>
<td>ffff</td>
<td>SNA user sense field</td>
</tr>
</tbody>
</table>

System action: OBVTAM rejects the session request from SLU bbbbbbbb.

User response: Refer the VTAM status information to your Network Support group or contact IBM Software Support for assistance.

OMV008I  KOBDSQZ MODULE NOT FOUND.

Explanation: The program module KOBDSQZ was not found in the OBVTAM program library.

System action: OBVTAM processing continues, but the 3270 data stream created by OMEGAMON will not be compressed for those sessions that requested data compression.

User response: Contact IBM Software Support for assistance.

OMV009I  ROWS/COLS IN CONFLICT WITH VTAM LOGMODE cccccccc

Explanation: The ROWS= and/or COLS= OMEGAMON startup parameter does not match VTAM's definition for the terminal. The VTAM logmode used to start the session was cccccccc.

System action: OBVTAM displays the OBUSRMSG panel and then terminates.

User response: Correct the values of the OBVTAM startup parameter or select another VTAM logmode that is the same as the OBVTAM startup parameter.

OMV010I  TIMEOUT KEYWORD VALUE INVALID - SET TO 0

Explanation: The value of the OBVTAM start parameter keyword TIMEOUT was not in the range 0–99.

System action: Processing continues.

User response: OBVTAM sets the TIMEOUT value to 0, and idle OMEGAMON sessions are not subject to timeout cancellation.

User response: Correct the TIMEOUT value and restart OBVTAM.

OMV012I  OMEGAMON SESSION TIMEOUT - cccccccc

Explanation: The OMEGAMON session with terminal cccccccc was idle for the length of time specified on the TIMEOUT parameter.

System action: OBVTAM cancels the idle session.

User response: You may start another session.

OMV013I  WSF (QUERY) TIMEOUT - cccccccc

Explanation: Terminal cccccccc has not replied to the WSF (Query) sent by OBVTAM.

System action: OBVTAM terminates the session with terminal cccccccc.

User response: Configure terminal cccccccc to support WSF (Query) or select a VTAM logmode that does not
OMV980I • OMV988I

OMV980I  SESSION REQUEST FAILED FOR cccccccc/aaaaaaaa - INSUFFICIENT MEMORY

Explanation: OBVTAM (application cccccccc) failed to obtain enough memory to establish a session with terminal aaaaaaaa.

System action: OBVTAM rejects the session request from terminal aaaaaaaa.

User response: It may be possible to start a session by using a terminal with a smaller screen size, or by eliminating the use of 3270 data stream compression. Specify DC=N as part of the OBVTAM startup parameter to eliminate data compression. If the session still cannot be started, it may be necessary to increase the value of the MVS REGION SIZE to make more memory available to OBVTAM.

OMV981I  DEVICE ERROR aaaaaaaa DETECTED FOR bbbbbbbbbccccccc

Explanation: OBVTAM (network identifier bbbbbbbbb) received device status information from Secondary Logical Unit cccccccc. The information aaaaaaaa is the status value received in an SNA LUSTAT command.

System action: OBVTAM terminates the session with SLU cccccccc.

User response: Refer the LUSTAT information to your Network Support group or contact IBM Software Support for assistance.

OMV982I  GETMAIN FAILED - INCREASE REGION SIZE

Explanation: There is insufficient region size for OMEGAMON to obtain buffers.

System action: OMEGAMON aborts the session start.

User response: See your installer to increase the region size.

OMV983I  OM= KEYWORD INVALID - MODULE aaaaaaaa NOT FOUND bbbbbbbbbccccccc

Explanation: The module specified by the OM session start parameter could not be found by OBVTAM (network identifier bbbbbbbbb). Module aaaaaaaa was specified explicitly or by default.

System action: OBVTAM terminates the session with SLU cccccccc.

User response: Include module aaaaaaaa in the OBVTAM runtime program library or specify a different module with the OM session start parameter.

OMV984I  EXTENDED ATTRIBUTE ERROR aaaa bbbb DETECTED FOR cccccccc

Explanation: Secondary Logical Unit cccccccc rejected a screen sent to it by OMEGAMON. The screen may have contained extended color or highlighting attributes. The VTAM status associated with the error is: aaaa - SNA system sense field and bbbb - SNA user sense field.

System action: OBVTAM terminates the session with SLU cccccccc.

User response: Verify that the terminal supports extended attributes and is properly defined to VTAM. If the terminal does not support extended color, the OMEGAMON session cannot be used with extended color support turned on. If the problem persists, refer the VTAM status information to your Network Support group or contact IBM Software Support for assistance.

OMV986I  SESSION ERROR aa bbbb cccc dddd FOR eeeeeee/ffffffff

Explanation: An error occurred on the session between OBVTAM (network identifier eeeeeee) and Secondary Logical Unit ffffffff. The VTAM status associated with the error is:

aa VTAM request code
bbb VTAM return code information
cccc SNA system sense field
dddd SNA user sense field

System action: OBVTAM terminates the session with SLU ffffffff.

User response: Refer the VTAM status information to your Network Support group or contact IBM Software Support for assistance.

OMV987I  VTAM ACB CLOSE FAILED; RETURN CODE=rc, REASON CODE=rs

Explanation: VTAM close processing failed as indicated.

System action: OBVTAM terminates.

User response: Contact IBM Software Support.

OMV988I  UNABLE TO START OBVTAM SESSION (REASON CODE rs)

Explanation: An error occurred while trying to start the VTAM session, possibly because of lack of storage.

System action: OBVTAM terminates.

User response: Try to increase region size in the startup JCL. If failure recurs, contact IBM Software Support.
OMV989I • OMV999I

OMV989I TPEND EXIT-code DRIVEN FOR applid
Explanation: Either a network shutdown is in progress, or the user has varied the OBVTAM network APPL inactive.
System action: Normally none.
User response: If this message recurs, contact IBM Software Support.

OMV990I INVALID LOGON PASSWORD FOR applid/sluname
Explanation: The password specified in the LOGON DATA parameter does not match the password in the PARM string.
System action: OBVTAM terminates the logon process.
User response: Determine the correct password and retry.

OMV992I SESSION cccccc - PGM CHK xxxx yyyy yyyy, aaaa + bbbb
Explanation: OBVTAM encountered a program error while processing the session with terminal cccccc. The variable message is defined as follows: xxxx is the program check interrupt code, yyyy yyyy is the address where the program check occurred, aaaa is the module name where the program check occurred, and bbbb is the module offset where the program check occurred.
System action: OBVTAM terminates.
User response: Record the message and contact IBM Software Support. You may restart the session.

OMV994I STOP COMMAND CAUSES TERMINATION FOR applid
Explanation: The MVS operator issued an MVS STOP console command, instructing OBVTAM to terminate and all OMEGAMON sessions that are currently active beneath it.
System action: OBVTAM begins termination processing.
User response: None. This is an informational message about a normal OBVTAM condition.

OMV999I OBVTAM ENDED
Explanation: The OBVTAM support program ended.
System action: OMEGAMON terminates.
User response: None. This is an informational message about a normal OBVTAM condition.

OMV989I TPEND EXIT-code DRIVEN FOR applid
Explanation: Either a network shutdown is in progress, or the user has varied the OBVTAM network APPL inactive.
System action: Normally none.
User response: If this message recurs, contact IBM Software Support.

OMV990I INVALID LOGON PASSWORD FOR applid/sluname
Explanation: The password specified in the LOGON DATA parameter does not match the password in the PARM string.
System action: OBVTAM terminates the logon process.
User response: Determine the correct password and retry.

OMV992I SESSION cccccc - PGM CHK xxxx yyyy yyyy, aaaa + bbbb
Explanation: OBVTAM encountered a program error while processing the session with terminal cccccc. The variable message is defined as follows: xxxx is the program check interrupt code, yyyy yyyy is the address where the program check occurred, aaaa is the module name where the program check occurred, and bbbb is the module offset where the program check occurred.
System action: OBVTAM terminates.
User response: Record the message and contact IBM Software Support. You may restart the session.

OMV994I STOP COMMAND CAUSES TERMINATION FOR applid
Explanation: The MVS operator issued an MVS STOP console command, instructing OBVTAM to terminate and all OMEGAMON sessions that are currently active beneath it.
System action: OBVTAM begins termination processing.
User response: None. This is an informational message about a normal OBVTAM condition.

OMV999I OBVTAM ENDED
Explanation: The OBVTAM support program ended.
System action: OMEGAMON terminates.
User response: None. This is an informational message about a normal OBVTAM condition.
### Chapter 10. VEB Messages

<table>
<thead>
<tr>
<th>VEBAI001</th>
<th>ENTRY POINT SPECIFIED (xxxxxxxx) IS NOT A VALID EPILOG API SERVICE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The requested API service xxxxxxxx has not been implemented in this version of the API.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The API request is terminated.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>If this message recurs, contact IBM Software Support.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VEBAI002</th>
<th>EPILOG PURGE EXIT FAILED TO CREATE FOR TERMINAL xxxxxxxx</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The termination exit for terminal xxxxxxxx could not be established.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The API request is terminated.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>If this message recurs, contact IBM Software Support.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VEBAI003</th>
<th>EPILOG SESSION HANDLE CHAIN MISSING FOR DIALOG FUNCTION xxxxxxxx</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The anchor for the session handle chain could not be located.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The API request is terminated.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>If this message recurs, contact IBM Software Support.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VEBAI004</th>
<th>EPILOG SESSION HANDLE MISSING FOR DIALOG FUNCTION xxxxxxxx</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The session handle for the dialog function xxxxxxxx has not been supplied or was invalid.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The API request is terminated.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>If this message recurs, contact IBM Software Support.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VEBAI005</th>
<th>EPILOG API FUNCTION xxxxxxxx, SESSION HANDLE (yyyyyyyy) INVALID</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The session handle yyyy yyyy was found to be invalid, while processing function xxxxxxxx.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The API request is terminated.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>If this message recurs, contact IBM Software Support.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VEBAI006</th>
<th>EPILOG API INTERFACE NOT ACTIVE FOR FUNCTION xxxxxxxx</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The API interface was not active, while processing function xxxxxxxx.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The API request is terminated.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Check that all required procedures have been started and then reissue the request. If this message recurs, contact IBM Software Support.</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>VEBAI007</th>
<th>EPILOG CROSS MEMORY CONNECTION BROKEN, FUNCTION xxxxxxxx</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The cross memory connection was lost, while processing function xxxxxxxx.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The API request is terminated.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Check that all required procedures have been started and then reissue the request. If this message recurs, contact IBM Software Support.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VEBAI008</th>
<th>CROSSMEM-SEND FAILED, PROC HAS RESET</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>A temporary error was detected, while processing a cross memory send request.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td></td>
</tr>
</tbody>
</table>
VEBAI009  CROSSMEM-RECV failed RC(rc)
Explanation:
An error was detected while processing a cross memory receive request; rc (return code) further defines this error.
System action:
The cross memory receive request is terminated.
User response:
Reissue the request. If this message recurs, contact IBM Software Support.

VEBAI010  TERMINATING DIALOG DUE TO EPILOG API FAILURE (rc)
Explanation:
A failure of the EPILOG API has been detected; rc further defines this failure.
System action:
The cross memory connection is terminated.
User response:
Reissue the request. If this message recurs, contact IBM Software Support.

VEBAI012  CROSSMEM-SEND failed RC(rc)
Explanation:
An error was detected, while processing a cross memory send request; rc further defines this failure.
System action:
The cross memory send request is terminated.
User response:
Verify that the SSCTxxxx DD statements in the CANSM2 and CANSM2HD procs are identical. Reissue the request. If this message recurs, contact IBM Software Support.

VEBAI013  CROSSMEM-RECEIVE failed RC(rc)
Explanation:
An error was detected, while processing a cross memory receive request; rc further defines this error.
System action:
The cross memory receive request is terminated.
User response:

VEBAI014  DISCONN CALLED FROM PURGE EXIT, REASON CODE (reason), RC(rc)
Explanation:
An error was detected, while processing a disconnect request to the EPILOG API; the reason code and rc (return code) further define this error.
System action:
The connection is forcibly terminated, and any allocated storage relating to the connection is freed.
User response:
If this message recurs, contact IBM Software Support.

VEBAI015  CROSSMEM-SEND FAILED RC(rc)
Explanation:
An error was detected, while processing a cross memory send request; rc further defines this error.
System action:
The cross memory send request is terminated.
User response:
Verify that the SSCTxxxx DD statements in the CANSM2 and CANSM2HD procs are identical. Reissue the request. If this message recurs, contact IBM Software Support.

VEBAI016  CROSSMEM-OPEN FAILED; RETRY WILL BE ATTEMPTED
Explanation:
An unsuccessful attempt was made to establish the cross memory connection.
System action:
Another attempt will be made to establish the cross memory connection.
User response:
None.

VEBAI017  CROSSMEM-OPEN FAILED RC(rc)
Explanation:
An unsuccessful attempt was made to establish the cross memory connection; rc further defines the unsuccessful attempt.
System action:
The API request is terminated.
VEBAI018  CROSSMEM-STATUS REQUEST
FAILED RC(rc)

Explanation:
An error was detected, while processing a cross memory status request; rc further defines this error.

System action:
The cross memory status request is terminated.

User response:
Verify that the SSCTxxxx DD statements in the CANSM2 and CANSM2HD procs are identical. Reissue the request. If this message recurs, contact IBM Software Support.

VEBAI019  CROSSMEM-SEND failed RC(rc)

Explanation:
An error was detected, while processing a cross memory send request; rc further defines this error.

System action:
The cross memory send request is terminated.

User response:
Verify that the SSCTxxxx DD statements in the CANSM2 and CANSM2HD procs are identical. Reissue the request. If this message recurs, contact IBM Software Support.

VEBAI021  FREED CB AT ADDR(xxxxxxxx)

Explanation:
The session storage at address xxxxxxxx was freed, while performing cross memory recovery.

System action:
Recovery processing continues.

User response:
None.

VEBAI022  VEBSESS CB NOT FREED AT ADDR(xxxxxxxx)

Explanation:
The session storage at address xxxxxxxx was not freed, while performing cross memory recovery.

System action:

User response: None.
None.

**VEBXM01I**  VEBXM099

---

**VEBXM01I**  VES xxxxxxxx FAILURE RC(xxxxxx) REASON(xxxxxx)

**Explanation:**
An error occurred which caused the CANSM2HD to terminate. rc and reason further define the error.

**System action:**
The CANSM2HD region is terminated.

**User response:**
Contact IBM Software Support.

---

**VEBXM080**  CANSM2HD TERMINATED BY STOP COMMAND

**Explanation:**
CANSM2HD received and accepted a STOP command sent from the master console.

**System action:**
CANSM2HD shuts down normally.

**User response:**
None.

---

**VEBXM090**  HISTORICAL DATA INTERFACE CLOSED

**Explanation:**
CANSM2HD is closing in response to a shutdown received from CANSM2. This occurs only if the CANSM2HD interface has already been established.

**System action:**
CANSM2HD shuts down normally.

**User response:**
None.

---

**VEBXM099**  CANSM2HD (KM2992C) FAILED REASON(xxxxxx) SESSION(yyyyyy) HANDLE(zzzzzz)

**Explanation:**
An error occurred which caused the CANSM2HD to terminate. The reason code further defines the error.

**System action:**
The CANSM2HD region is terminated.

**User response:**
Contact IBM Software Support.
Part 3. Appendixes
Documentation library

This appendix contains information about the publications in the OMEGAMON XE on z/OS library and about other publications related to OMEGAMON XE on z/OS.

For information about accessing and using the publications, select Using the publications in the Contents pane of the IBM Tivoli Monitoring and OMEGAMON XE Information Center at http://pic.dhe.ibm.com/infocenter/tivihelp/v61r1/index.jsp.

To find a list of new and changed publications, click What's new on the Welcome page of the IBM Tivoli Monitoring and OMEGAMON XE Information Center. To find publications for the previous version of a product, click Previous information centers on the Welcome page for the product.

OMEGAMON XE on z/OS library

The following documents are available for OMEGAMON XE on z/OS:

- Program Directory GI13-2207
  Contains information about the material and procedures associated with the installation of IBM Tivoli OMEGAMON XE on z/OS. The Program Directory is intended for the system programmer responsible for program installation and maintenance.

- Planning and Configuration Guide SC27-4032
  Provides information that helps plan the deployment and configuration of OMEGAMON XE on z/OS and the required common services component. It also provides detailed instructions for configuring product components. This document is intended for system administrators and others who are responsible for configuring OMEGAMON XE on z/OS.

- User's Guide SC27-4028
  Introduces the features, workspaces, attributes, and predefined situations for the OMEGAMON XE on z/OS product and supplements the user assistance provided with this product. This document is written for data center operators and analysts responsible for monitoring and troubleshooting system performance and availability or performing trend analysis for resource planning.

- Parameter Reference SC27-4033
  Provides names and descriptions for all OMEGAMON XE on z/OS configuration parameters.

- Troubleshooting Guide GC27-4029
  Provides explanations for the messages issued by the OMEGAMON XE on z/OS product, its OMEGAMON II for MVS component, and common agent components. This book also provides troubleshooting advice for installation and configuration, security, and usage problems, and instructions for setting up tracing on z/OS.

- OMEGAMON for MVS User’s Guide SC27-4030
  Describes the features and commands used in OMEGAMON for MVS. Reference information for OMEGAMON major and minor commands is included by functional area, along with a description of the following features: User Profile Facility, Exception Analysis, CSA Analyzer, End-to-End Response Time Feature, Bottleneck Analysis, DEXAN, Impact Analysis, Workload Profile Facility.

- OMEGAMON for MVS Command Reference SC27-4031
  Contains complete descriptions of OMEGAMON for MVS commands, organized alphabetically by command name. Includes a chapter on “Command Groupings” that is an introduction organized by topic (exception analysis, hiperspace, paging, and so on) where you can refresh your memory as to the proper spelling of a command or keyword.

- EPILOG User’s Guide SC27-4034
Describes the basic reporting features of EPILOG for MVS. The introduction provides a product overview and a discussion of the EPILOG approach to performance management. The rest of the manual explains how to use the reporter, including the various types of reports and the use of the DISPLAY command. Topics, such as advanced reporting options, the Workload Profile Facility, exception filtering, exporting historical data, and reporting with SAS graphics are also documented.

- **EPILOG Command Reference SC27-4035**
  Contains complete descriptions of EPILOG for MVS commands, organized alphabetically by command name.

### OMEGAMON XE and Tivoli Management Services on z/OS common library

The books in this library are common to some or all of the OMEGAMON XE products or Tivoli Management Services on z/OS:

- **Quick Start Guide, GI11-8918**
  Provides an overview of the installation and setup process for a monitoring agent on z/OS.

- **Common Planning and Configuration Guide, SC23-9734**
  Covers planning and configuration information common to the OMEGAMON XE V4.2.0 monitoring agents and to the components of Tivoli Management Services on z/OS V6.2.1.

- **Common Parameter Reference, SC14-7280**
  Provides reference information on parameters used for setting up runtime environments and configuring hub and remote Tivoli Enterprise Monitoring Servers on z/OS.

- **PARMGEN Reference, SC22-5435**
  Provides six configuration scenarios using the PARMGEN method.

- **OMEGAMON Enhanced 3270 User Interface Guide, SC22-5426**
  Describes the features of the interface and provides operating instructions and reference material.

- **Upgrade Guide, SC23-9745**
  Provides an overview and instructions for performing the upgrades from prior versions of OMEGAMON XE monitoring agents and Tivoli Management Services components.

- **End-to-End Response Time Feature Reference, SC27-2303**
  Documents the End to End Response Time feature, a common component used by four OMEGAMON XE monitoring agents on z/OS: CICS, z/OS, IMS, and Mainframe Networks.

- **Reports for Tivoli Common Reporting, SC27-2304**
  Provides information about the Tivoli Common Reporting tool that is specific to products that run under the Tivoli Enterprise Portal and use the Tivoli Data Warehouse database.

### OMEGAMON II for MVS V520 library

The OMEGAMON II documentation has not been updated since V520. Any changes relevant to configuration of the version currently incorporated into OMEGAMON XE on z/OS V5.1.0 are documented in the *IBM Tivoli OMEGAMON XE on z/OS: Planning and Configuration Guide*. The existing documents refer to the Candle Support structure rather than to IBM software support. References to Candle Support processes and procedures are invalid. Direct questions to IBM Software Support. For details about the IBM support structure, see [“Support information” on page 231](#).

The following information sources are available in the OMEGAMON II for MVS V520 library.

- **Configuration and Customization Guide, GC32-9277**
  Describes how to configure and customize the OMEGAMON II for MVS product. It provides background on the product components, addresses maintenance and migration considerations, gives an overview of the configuration and customization process, and documents step-by-step procedures.
• **User's Guide, GC32-9280**
  Contains an overview of OMEGAMON II features, the types of panels displayed, and how to navigate from one panel to another; instructions for adjusting an OMEGAMON II environment; usage scenarios describing how to use OMEGAMON II to monitor real-time and historical performance; instructions for using some of the commands for creating OMEGAMON screen spaces described in the OMEGAMON for MVS Command Language Reference Manual and commands for generating EPILOG reports described in the EPILOG for MVS Command Language Reference Manual.

• **OMEGAMON for MVS Command Language Reference Manual, GC32-9276**
  Provides the syntax and available keywords for OMEGAMON II for MVS commands

  Documents the syntax and available keywords for EPILOG for MVS commands.

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**IBM Tivoli Monitoring library**

The following publications provide information about IBM Tivoli Monitoring V6.2 and about the commonly shared components of Tivoli Management Services:

• **Quick Start Guide, GI11-8058**
  Introduces the components of IBM Tivoli Monitoring.

• **Installation and Setup Guide, GC32-9407**
  Provides instructions for installing and configuring IBM Tivoli Monitoring components on Windows, Linux, and UNIX systems.

• **Program Directory for IBM Tivoli Management Services on z/OS, GI11-4105**
  Gives instructions for the SMP/E installation of the Tivoli Management Services components on z/OS.

• **Configuring the Tivoli Enterprise Monitoring Server on z/OS, SC27-2313**
  Gives detailed instructions for using the Configuration Tool to configure Tivoli Enterprise Monitoring Server on z/OS systems. Includes scenarios for using batch mode to replicate monitoring environments across the z/OS enterprise. Also provides instructions for setting up security and for adding application support to a Tivoli Enterprise Monitoring Server on z/OS.

• **Administrator's Guide, SC32-9408**
  Describes the support tasks and functions required for the Tivoli Enterprise Portal Server and clients, including Tivoli Enterprise Portal user administration.

• **Tivoli Enterprise Portal online help**
  Provides context-sensitive reference information about all features and customization options of the Tivoli Enterprise Portal. Also gives instructions for using and administering the Tivoli Enterprise Portal.

• **User's Guide, SC32-9409**
  Complements the Tivoli Enterprise Portal online help. The guide provides hands-on lessons and detailed instructions for all Tivoli Enterprise Portal features.

• **Command Reference, SC32-6045**
  Provides detailed syntax and parameter information, as well as examples, for the commands you can use in IBM Tivoli Monitoring.

• **Troubleshooting Guide, GC32-9458**
  Provides information to help you troubleshoot problems with the software.

• **Messages, SC23-7969**
  Lists and explains messages generated by all IBM Tivoli Monitoring components and by z/OS-based Tivoli Management Services components (such as Tivoli Enterprise Monitoring Server on z/OS and TMS:Engine).
Other sources of documentation

You can also obtain technical documentation about Tivoli Monitoring and OMEGAMON XE products from the following sources:

- **IBM Tivoli Integrated Service Management Library**
  
  
  The Integrated Service Management Library is an online catalog that contains integration documentation as well as other downloadable product extensions. This library is updated daily.

- **Redbooks®**
  
  
  IBM Redbooks, Redpapers, and Redbooks Technotes provide information about products from platform and solution perspectives.

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  You can find Technotes through the IBM Software Support Web site at [http://www.ibm.com/software/support/probsub.html](http://www.ibm.com/software/support/probsub.html) or more directly through your product Web site, which contains a link to Technotes (under **Solve a problem**).
  
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Troubleshooting Guide
For more information about resolving problems, see the product's Troubleshooting Guide.
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